



COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
AIR QUALITY PROGRAM

TITLE V/STATE OPERATING PERMIT

Issue Date: August 22, 2011

Effective Date: March 12, 2013

Revision Date: March 12, 2013

Expiration Date: August 31, 2016

Revision Type: Modification

In accordance with the provisions of the Air Pollution Control Act, the Act of January 8, 1960, P.L. 2119, as amended, and 25 Pa. Code Chapter 127, the Owner, [and Operator if noted] (hereinafter referred to as permittee) identified below is authorized by the Department of Environmental Protection (Department) to operate the air emission source(s) more fully described in this permit. This Facility is subject to all terms and conditions specified in this permit. Nothing in this permit relieves the permittee from its obligations to comply with all applicable Federal, State and Local laws and regulations.

The regulatory or statutory authority for each permit condition is set forth in brackets. All terms and conditions in this permit are federally enforceable applicable requirements unless otherwise designated as "State-Only" or "non-applicable" requirements.

TITLE V Permit No: 06-05040

Federal Tax Id - Plant Code: 23-1315454-3

Owner Information

Name: EAST PENN MFG CO INC

Mailing Address: PO BOX 147
LYON STATION, PA 19536

Plant Information

Plant: EAST PENN MFG CO INC/SMELTER PLT

Location: 06 Berks County 06953 Richmond Township

SIC Code: 3341 Manufacturing - Secondary Nonferrous Metals

Responsible Official

Name: RICHARD A LEIBY

Title: VP METALS DIVISION

Phone: (610) 682 - 6361

Permit Contact Person

Name: ERIC G PEFFEL

Title: SR ENG - AIR QUALITY

Phone: (610) 682 - 6361 Ext.2498

[Signature] _____

WILLIAM R. WEAVER, SOUTHCENTRAL REGION AIR PROGRAM MANAGER

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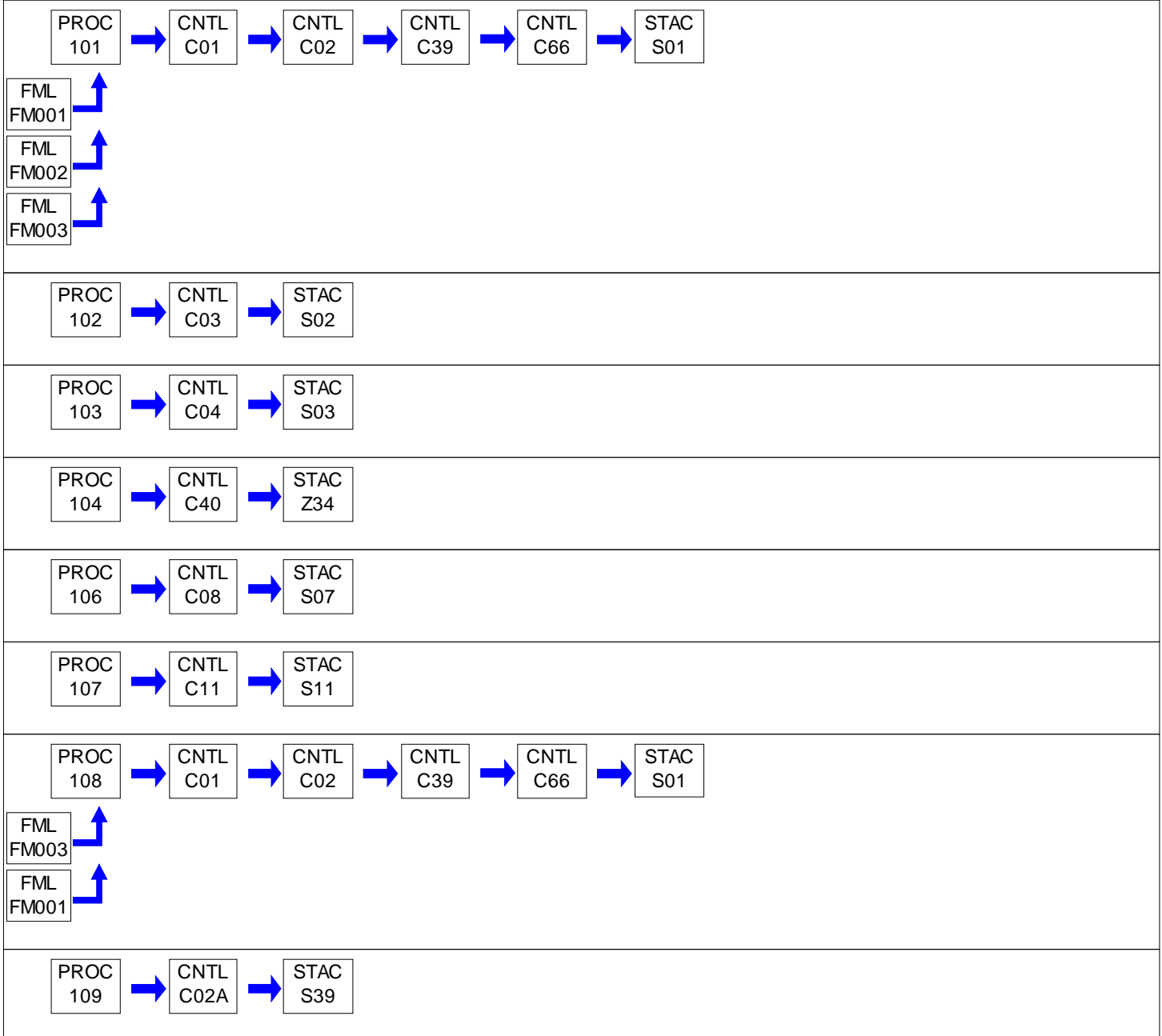
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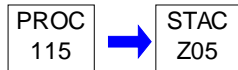
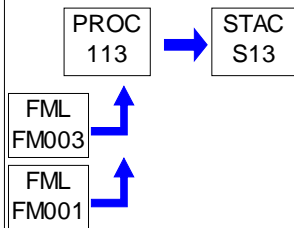
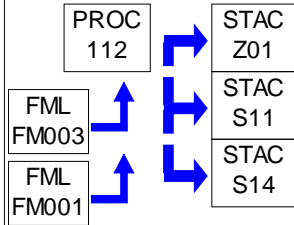
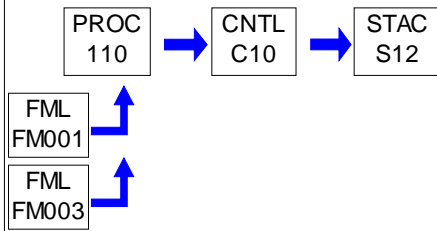
Source ID	Source Name	Capacity/Throughput		Fuel/Material
101	BLAST FURNACE - BH #5	6.250	Tons/HR	LEAD
		3,000.000	Lbs/HR	COKE
102	BLAST FURNACE VENTILATION SYSTEM-BH #3	6.250	Tons/HR	LEAD
103	MATERIAL STORAGE ROOM VENTILATION-BH#1			
104	PLANT ROADWAYS			
106	BATTERY BREAKER & SEPARATION OPERATION	25.000	Tons/HR	SCRAP LEAD
107	SIX REFINING KETTLES - BH#4	19.200	Tons/HR	LEAD
108	REVERBATORY FURNACE & TAPPING - BH #5	12.900	Tons/HR	LEAD
		31.000	MCF/HR	NATURAL GAS
		350.000	Gal/HR	PROPANE
109	REVERBATORY FURN VENTILATION GP#2- BH#5A	12.900	Tons/HR	LEAD
110	SCRAP DRYER - BH #6	13.500	MCF/HR	NATURAL GAS
		150.000	Gal/HR	PROPANE
		45,000.000	Lbs/HR	LEAD SCRAP
111	SLAG STORAGE AREA			
112	MISCELLANEOUS COMBUSTION SOURCES			
113	EMERGENCY GENERATORS			
115	MISCELLANEOUS CHEMICAL USE			
C01	THERMAL AFTERBURNER: FURNACE SYSTEM	7,000.000	CF/HR	NATURAL GAS
		77.350	Gal/HR	PROPANE
C02	FABRIC COLLECTOR: FURNACE SYSTEM			
C02A	FABRIC COLLECTOR W/ HEPA: REVERB VENT			
C03	FABRIC COLLECTOR W/ HEPA: BLAST VENT			
C04	FABRIC COLLECTOR: MAT. STORAGE ROOM			
C08	SCRUBBER: BATTERY BREAKING			
C10	FABRIC COLLECTOR W/HEPA: SCRAP DRYER			
C11	FABRIC COLLECTOR W/HEPA: REFINING KETTLES			
C21	FABRIC COLLECTOR: SLAG STORAGE			
C39	SPRAY SCRUBBER: FURNACE SYSTEM			
C40	SWEEPER			
C66	MIST ELIMINATOR: FURNACE SYSTEM			
FM001	PROPANE TANK FARM			
FM002	COKE			
FM003	NATURAL GAS PIPELINE			
S01	STACK: FURNACE SYSTEM			
S02	STACK: BLAST VENTILATION			
S03	STACK: MATERIAL STORAGE ROOM			
S07	STACK: BATTERY BREAKING			
S11	STACK: REFINING KETTLE BURNERS			
S12	STACK: ROTARY DRYER			
S13	STACK: EMERGENCY GENERATORS			

SECTION A. Site Inventory List

Source ID	Source Name	Capacity/Throughput	Fuel/Material
S14	STACK: HOLDING KETTLE BURNERS		
S21	STACK: SLAG STORAGE		
S39	STACK: REVERB FURN VENTILATION		
Z01	FUGITIVE: MISC COMBUSTION		
Z05	FUGITIVE: MISC CHEMICAL USE		
Z34	FUGITIVE: ROADWAYS		

PERMIT MAPS



PERMIT MAPS

SECTION B. General Title V Requirements

#001 [25 Pa. Code § 121.1]

Definitions

Words and terms that are not otherwise defined in this permit shall have the meanings set forth in Section 3 of the Air Pollution Control Act (35 P.S. § 4003) and 25 Pa. Code § 121.1.

#002 [25 Pa. Code § 127.512(c)(4)]

Property Rights

This permit does not convey property rights of any sort, or any exclusive privileges.

#003 [25 Pa. Code § 127.446(a) and (c)]

Permit Expiration

This operating permit is issued for a fixed term of five (5) years and shall expire on the date specified on Page 1 of this permit. The terms and conditions of the expired permit shall automatically continue pending issuance of a new Title V permit, provided the permittee has submitted a timely and complete application and paid applicable fees required under 25 Pa. Code Chapter 127, Subchapter I and the Department is unable, through no fault of the permittee, to issue or deny a new permit before the expiration of the previous permit. An application is complete if it contains sufficient information to begin processing the application, has the applicable sections completed and has been signed by a responsible official.

#004 [25 Pa. Code §§ 127.412, 127.413, 127.414, 127.446(e) & 127.503]

Permit Renewal

(a) An application for the renewal of the Title V permit shall be submitted to the Department at least six (6) months, and not more than 18 months, before the expiration date of this permit. The renewal application is timely if a complete application is submitted to the Department's Regional Air Manager within the timeframe specified in this permit condition.

(b) The application for permit renewal shall include the current permit number, the appropriate permit renewal fee, a description of any permit revisions and off-permit changes that occurred during the permit term, and any applicable requirements that were promulgated and not incorporated into the permit during the permit term.

(c) The renewal application shall also include submission of proof that the local municipality and county, in which the facility is located, have been notified in accordance with 25 Pa. Code § 127.413. The application for renewal of the Title V permit shall also include submission of compliance review forms which have been used by the permittee to update information submitted in accordance with either 25 Pa. Code § 127.412(b) or § 127.412(j).

(d) The permittee, upon becoming aware that any relevant facts were omitted or incorrect information was submitted in the permit application, shall promptly submit such supplementary facts or corrected information during the permit renewal process. The permittee shall also promptly provide additional information as necessary to address any requirements that become applicable to the source after the date a complete renewal application was submitted but prior to release of a draft permit.

#005 [25 Pa. Code §§ 127.450(a)(4) & 127.464(a)]

Transfer of Ownership or Operational Control

(a) In accordance with 25 Pa. Code § 127.450(a)(4), a change in ownership or operational control of the source shall be treated as an administrative amendment if:

(1) The Department determines that no other change in the permit is necessary;

(2) A written agreement has been submitted to the Department identifying the specific date of the transfer of permit responsibility, coverage and liability between the current and the new permittee; and,

(3) A compliance review form has been submitted to the Department and the permit transfer has been approved by the Department.

SECTION B. General Title V Requirements

(b) In accordance with 25 Pa. Code § 127.464(a), this permit may not be transferred to another person except in cases of transfer-of-ownership which are documented and approved to the satisfaction of the Department.

#006 [25 Pa. Code § 127.513, 35 P.S. § 4008 and § 114 of the CAA]

Inspection and Entry

(a) Upon presentation of credentials and other documents as may be required by law for inspection and entry purposes, the permittee shall allow the Department of Environmental Protection or authorized representatives of the Department to perform the following:

- (1) Enter at reasonable times upon the permittee's premises where a Title V source is located or emissions related activity is conducted, or where records are kept under the conditions of this permit;
- (2) Have access to and copy or remove, at reasonable times, records that are kept under the conditions of this permit;
- (3) Inspect at reasonable times, facilities, equipment including monitoring and air pollution control equipment, practices, or operations regulated or required under this permit;
- (4) Sample or monitor, at reasonable times, substances or parameters, for the purpose of assuring compliance with the permit or applicable requirements as authorized by the Clean Air Act, the Air Pollution Control Act, or the regulations promulgated under the Acts.

(b) Pursuant to 35 P.S. § 4008, no person shall hinder, obstruct, prevent or interfere with the Department or its personnel in the performance of any duty authorized under the Air Pollution Control Act.

(c) Nothing in this permit condition shall limit the ability of the EPA to inspect or enter the premises of the permittee in accordance with Section 114 or other applicable provisions of the Clean Air Act.

#007 [25 Pa. Code §§ 127.25, 127.444, & 127.512(c)(1)]

Compliance Requirements

(a) The permittee shall comply with the conditions of this permit. Noncompliance with this permit constitutes a violation of the Clean Air Act and the Air Pollution Control Act and is grounds for one (1) or more of the following:

- (1) Enforcement action
- (2) Permit termination, revocation and reissuance or modification
- (3) Denial of a permit renewal application

(b) A person may not cause or permit the operation of a source, which is subject to 25 Pa. Code Article III, unless the source(s) and air cleaning devices identified in the application for the plan approval and operating permit and the plan approval issued to the source are operated and maintained in accordance with specifications in the applications and the conditions in the plan approval and operating permit issued by the Department. A person may not cause or permit the operation of an air contamination source subject to 25 Pa. Code Chapter 127 in a manner inconsistent with good operating practices.

(c) For purposes of Sub-condition (b) of this permit condition, the specifications in applications for plan approvals and operating permits are the physical configurations and engineering design details which the Department determines are essential for the permittee's compliance with the applicable requirements in this Title V permit.

#008 [25 Pa. Code § 127.512(c)(2)]

Need to Halt or Reduce Activity Not a Defense

It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit.

SECTION B. General Title V Requirements

#009 [25 Pa. Code §§ 127.411(d) & 127.512(c)(5)]

Duty to Provide Information

- (a) The permittee shall furnish to the Department, within a reasonable time, information that the Department may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit, or to determine compliance with the permit.
- (b) Upon request, the permittee shall also furnish to the Department copies of records that the permittee is required to keep by this permit, or for information claimed to be confidential, the permittee may furnish such records directly to the Administrator of EPA along with a claim of confidentiality.

#010 [25 Pa. Code §§ 127.463, 127.512(c)(3) & 127.542]

Reopening and Revising the Title V Permit for Cause

- (a) This Title V permit may be modified, revoked, reopened and reissued or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay a permit condition.
- (b) This permit may be reopened, revised and reissued prior to expiration of the permit under one or more of the following circumstances:
- (1) Additional applicable requirements under the Clean Air Act or the Air Pollution Control Act become applicable to a Title V facility with a remaining permit term of three (3) or more years prior to the expiration date of this permit. The Department will revise the permit as expeditiously as practicable but not later than 18 months after promulgation of the applicable standards or regulations. No such revision is required if the effective date of the requirement is later than the expiration date of this permit, unless the original permit or its terms and conditions has been extended.
 - (2) Additional requirements, including excess emissions requirements, become applicable to an affected source under the acid rain program. Upon approval by the Administrator of EPA, excess emissions offset plans for an affected source shall be incorporated into the permit.
 - (3) The Department or the EPA determines that this permit contains a material mistake or inaccurate statements were made in establishing the emissions standards or other terms or conditions of this permit.
 - (4) The Department or the Administrator of EPA determines that the permit must be revised or revoked to assure compliance with the applicable requirements.
- (c) Proceedings to revise this permit shall follow the same procedures which apply to initial permit issuance and shall affect only those parts of this permit for which cause to revise exists. The revision shall be made as expeditiously as practicable.
- (d) Regardless of whether a revision is made in accordance with (b)(1) above, the permittee shall meet the applicable standards or regulations promulgated under the Clean Air Act within the time frame required by standards or regulations.

#011 [25 Pa. Code § 127.543]

Reopening a Title V Permit for Cause by EPA

As required by the Clean Air Act and regulations adopted thereunder, this permit may be modified, reopened and reissued, revoked or terminated for cause by EPA in accordance with procedures specified in 25 Pa. Code § 127.543.

#012 [25 Pa. Code § 127.541]

Significant Operating Permit Modifications

When permit modifications during the term of this permit do not qualify as minor permit modifications or administrative amendments, the permittee shall submit an application for significant Title V permit modifications in accordance with 25 Pa. Code § 127.541.

SECTION B. General Title V Requirements

#013 [25 Pa. Code §§ 121.1 & 127.462]

Minor Operating Permit Modifications

- (a) The permittee may make minor operating permit modifications (as defined in 25 Pa. Code § 121.1) in accordance with 25 Pa. Code § 127.462.
- (b) Unless precluded by the Clean Air Act or the regulations thereunder, the permit shield described in 25 Pa. Code § 127.516 (relating to permit shield) shall extend to an operational flexibility change authorized by 25 Pa. Code § 127.462.

#014 [25 Pa. Code § 127.450]

Administrative Operating Permit Amendments

- (a) The permittee may request administrative operating permit amendments, as defined in 25 Pa. Code § 127.450(a), according to procedures specified in § 127.450. Administrative amendments are not authorized for any amendment precluded by the Clean Air Act or the regulations thereunder from being processed as an administrative amendment.
- (b) Upon taking final action granting a request for an administrative permit amendment in accordance with § 127.450(c), the Department will allow coverage under 25 Pa. Code § 127.516 (relating to permit shield) for administrative permit amendments which meet the relevant requirements of 25 Pa. Code Article III, unless precluded by the Clean Air Act or the regulations thereunder.

#015 [25 Pa. Code § 127.512(b)]

Severability Clause

The provisions of this permit are severable, and if any provision of this permit is determined by the Environmental Hearing Board or a court of competent jurisdiction, or US EPA to be invalid or unenforceable, such a determination will not affect the remaining provisions of this permit.

#016 [25 Pa. Code §§ 127.704, 127.705 & 127.707]

Fee Payment

- (a) The permittee shall pay fees to the Department in accordance with the applicable fee schedules in 25 Pa. Code Chapter 127, Subchapter I (relating to plan approval and operating permit fees).
- (b) Emission Fees. The permittee shall, on or before September 1st of each year, pay applicable annual Title V emission fees for emissions occurring in the previous calendar year as specified in 25 Pa. Code § 127.705. The permittee is not required to pay an emission fee for emissions of more than 4,000 tons of each regulated pollutant emitted from the facility.
- (c) As used in this permit condition, the term "regulated pollutant" is defined as a VOC, each pollutant regulated under Sections 111 and 112 of the Clean Air Act and each pollutant for which a National Ambient Air Quality Standard has been promulgated, except that carbon monoxide is excluded.
- (d) Late Payment. Late payment of emission fees will subject the permittee to the penalties prescribed in 25 Pa. Code § 127.707 and may result in the suspension or termination of the Title V permit. The permittee shall pay a penalty of fifty percent (50%) of the fee amount, plus interest on the fee amount computed in accordance with 26 U.S.C.A. § 6621(a)(2) from the date the emission fee should have been paid in accordance with the time frame specified in 25 Pa. Code § 127.705(c).
- (e) The permittee shall pay an annual operating permit administration fee according to the fee schedule established in 25 Pa. Code § 127.704(c) if the facility, identified in Subparagraph (iv) of the definition of the term "Title V facility" in 25 Pa. Code § 121.1, is subject to Title V after the EPA Administrator completes a rulemaking requiring regulation of those sources under Title V of the Clean Air Act.
- (f) This permit condition does not apply to a Title V facility which qualifies for exemption from emission fees under 35 P.S. § 4006.3(f).

SECTION B. General Title V Requirements**#017 [25 Pa. Code §§ 127.14(b) & 127.449]****Authorization for De Minimis Emission Increases**

(a) This permit authorizes de minimis emission increases from a new or existing source in accordance with 25 Pa. Code §§ 127.14 and 127.449 without the need for a plan approval or prior issuance of a permit modification. The permittee shall provide the Department with seven (7) days prior written notice before commencing any de minimis emissions increase that would result from either: (1) a physical change of minor significance under § 127.14(c)(1); or (2) the construction, installation, modification or reactivation of an air contamination source. The written notice shall:

- (1) Identify and describe the pollutants that will be emitted as a result of the de minimis emissions increase.
- (2) Provide emission rates expressed in tons per year and in terms necessary to establish compliance consistent with any applicable requirement.

The Department may disapprove or condition de minimis emission increases at any time.

(b) Except as provided below in (c) and (d) of this permit condition, the permittee is authorized during the term of this permit to make de minimis emission increases (expressed in tons per year) up to the following amounts without the need for a plan approval or prior issuance of a permit modification:

- (1) Four tons of carbon monoxide from a single source during the term of the permit and 20 tons of carbon monoxide at the facility during the term of the permit.
- (2) One ton of NO_x from a single source during the term of the permit and 5 tons of NO_x at the facility during the term of the permit.
- (3) One and six-tenths tons of the oxides of sulfur from a single source during the term of the permit and 8.0 tons of oxides of sulfur at the facility during the term of the permit.
- (4) Six-tenths of a ton of PM₁₀ from a single source during the term of the permit and 3.0 tons of PM₁₀ at the facility during the term of the permit. This shall include emissions of a pollutant regulated under Section 112 of the Clean Air Act unless precluded by the Clean Air Act or 25 Pa. Code Article III.
- (5) One ton of VOCs from a single source during the term of the permit and 5.0 tons of VOCs at the facility during the term of the permit. This shall include emissions of a pollutant regulated under Section 112 of the Clean Air Act unless precluded by the Clean Air Act or 25 Pa. Code Article III.

(c) In accordance with § 127.14, the permittee may install the following minor sources without the need for a plan approval:

- (1) Air conditioning or ventilation systems not designed to remove pollutants generated or released from other sources.
- (2) Combustion units rated at 2,500,000 or less Btu per hour of heat input.
- (3) Combustion units with a rated capacity of less than 10,000,000 Btu per hour heat input fueled by natural gas supplied by a public utility, liquefied petroleum gas or by commercial fuel oils which are No. 2 or lighter, viscosity less than or equal to 5.82 c St, and which meet the sulfur content requirements of 25 Pa. Code § 123.22 (relating to combustion units). For purposes of this permit, commercial fuel oil shall be virgin oil which has no reprocessed, recycled or waste material added.
- (4) Space heaters which heat by direct heat transfer.
- (5) Laboratory equipment used exclusively for chemical or physical analysis.
- (6) Other sources and classes of sources determined to be of minor significance by the Department.

(d) This permit does not authorize de minimis emission increases if the emissions increase would cause one or more

SECTION B. General Title V Requirements

of the following:

(1) Increase the emissions of a pollutant regulated under Section 112 of the Clean Air Act except as authorized in Subparagraphs (b)(4) and (5) of this permit condition.

(2) Subject the facility to the prevention of significant deterioration requirements in 25 Pa. Code Chapter 127, Subchapter D and/or the new source review requirements in Subchapter E.

(3) Violate any applicable requirement of the Air Pollution Control Act, the Clean Air Act, or the regulations promulgated under either of the acts.

(4) Changes which are modifications under any provision of Title I of the Clean Air Act and emission increases which would exceed the allowable emissions level (expressed as a rate of emissions or in terms of total emissions) under the Title V permit.

(e) Unless precluded by the Clean Air Act or the regulations thereunder, the permit shield described in 25 Pa. Code § 127.516 (relating to permit shield) applies to de minimis emission increases and the installation of minor sources made pursuant to this permit condition.

(f) Emissions authorized under this permit condition shall be included in the monitoring, recordkeeping and reporting requirements of this permit.

(g) Except for de minimis emission increases allowed under this permit, 25 Pa. Code § 127.449, or sources and physical changes meeting the requirements of 25 Pa. Code § 127.14, the permittee is prohibited from making physical changes or engaging in activities that are not specifically authorized under this permit without first applying for a plan approval. In accordance with § 127.14(b), a plan approval is not required for the construction, modification, reactivation, or installation of the sources creating the de minimis emissions increase.

(h) The permittee may not meet de minimis emission threshold levels by offsetting emission increases or decreases at the same source.

#018 [25 Pa. Code §§ 127.11a & 127.215]**Reactivation of Sources**

(a) The permittee may reactivate a source at the facility that has been out of operation or production for at least one year, but less than or equal to five (5) years, if the source is reactivated in accordance with the requirements of 25 Pa. Code §§ 127.11a and 127.215. The reactivated source will not be considered a new source.

(b) A source which has been out of operation or production for more than five (5) years but less than 10 years may be reactivated and will not be considered a new source if the permittee satisfies the conditions specified in 25 Pa. Code § 127.11a(b).

#019 [25 Pa. Code §§ 121.9 & 127.216]**Circumvention**

(a) The owner of this Title V facility, or any other person, may not circumvent the new source review requirements of 25 Pa. Code Chapter 127, Subchapter E by causing or allowing a pattern of ownership or development, including the phasing, staging, delaying or engaging in incremental construction, over a geographic area of a facility which, except for the pattern of ownership or development, would otherwise require a permit or submission of a plan approval application.

(b) No person may permit the use of a device, stack height which exceeds good engineering practice stack height, dispersion technique or other technique which, without resulting in reduction of the total amount of air contaminants emitted, conceals or dilutes an emission of air contaminants which would otherwise be in violation of this permit, the Air Pollution Control Act or the regulations promulgated thereunder, except that with prior approval of the Department, the device or technique may be used for control of malodors.

SECTION B. General Title V Requirements**#020 [25 Pa. Code §§ 127.402(d) & 127.513(1)]****Submissions**

(a) Reports, test data, monitoring data, notifications and requests for renewal of the permit shall be submitted to the:

Regional Air Program Manager
PA Department of Environmental Protection
(At the address given on the permit transmittal letter,
or otherwise notified)

(b) Any report or notification for the EPA Administrator or EPA Region III should be addressed to:

Office of Air Enforcement and Compliance Assistance (3AP20)
United States Environmental Protection Agency
Region 3
1650 Arch Street
Philadelphia, PA 19103-2029

(c) An application, form, report or compliance certification submitted pursuant to this permit condition shall contain certification by a responsible official as to truth, accuracy, and completeness as required under 25 Pa. Code § 127.402(d). Unless otherwise required by the Clean Air Act or regulations adopted thereunder, this certification and any other certification required pursuant to this permit shall state that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate and complete.

#021 [25 Pa. Code §§ 127.441(c) & 127.463(e); Chapter 139; & 114(a)(3), 504(b) of the CAA]**Sampling, Testing and Monitoring Procedures**

(a) The permittee shall perform the emissions monitoring and analysis procedures or test methods for applicable requirements of this Title V permit. In addition to the sampling, testing and monitoring procedures specified in this permit, the Permittee shall comply with any additional applicable requirements promulgated under the Clean Air Act after permit issuance regardless of whether the permit is revised.

(b) The sampling, testing and monitoring required under the applicable requirements of this permit, shall be conducted in accordance with the requirements of 25 Pa. Code Chapter 139 unless alternative methodology is required by the Clean Air Act (including §§ 114(a)(3) and 504(b)) and regulations adopted thereunder.

#022 [25 Pa. Code §§ 127.511 & Chapter 135]**Recordkeeping Requirements**

(a) The permittee shall maintain and make available, upon request by the Department, records of required monitoring information that include the following:

- (1) The date, place (as defined in the permit) and time of sampling or measurements.
- (2) The dates the analyses were performed.
- (3) The company or entity that performed the analyses.
- (4) The analytical techniques or methods used.
- (5) The results of the analyses.
- (6) The operating conditions as existing at the time of sampling or measurement.

(b) The permittee shall retain records of the required monitoring data and supporting information for at least five (5) years from the date of the monitoring sample, measurement, report or application. Supporting information includes the calibration data and maintenance records and original strip-chart recordings for continuous monitoring instrumentation, and copies of reports required by the permit.

SECTION B. General Title V Requirements

(c) The permittee shall maintain and make available to the Department upon request, records including computerized records that may be necessary to comply with the reporting, recordkeeping and emission statement requirements in 25 Pa. Code Chapter 135 (relating to reporting of sources). In accordance with 25 Pa. Code Chapter 135, § 135.5, such records may include records of production, fuel usage, maintenance of production or pollution control equipment or other information determined by the Department to be necessary for identification and quantification of potential and actual air contaminant emissions. If direct recordkeeping is not possible or practical, sufficient records shall be kept to provide the needed information by indirect means.

#023 [25 Pa. Code §§ 127.411(d), 127.442, 127.463(e) & 127.511(c)]**Reporting Requirements**

(a) The permittee shall comply with the reporting requirements for the applicable requirements specified in this Title V permit. In addition to the reporting requirements specified herein, the permittee shall comply with any additional applicable reporting requirements promulgated under the Clean Air Act after permit issuance regardless of whether the permit is revised.

(b) Pursuant to 25 Pa. Code § 127.511(c), the permittee shall submit reports of required monitoring at least every six (6) months unless otherwise specified in this permit. Instances of deviations (as defined in 25 Pa. Code § 121.1) from permit requirements shall be clearly identified in the reports. The reporting of deviations shall include the probable cause of the deviations and corrective actions or preventative measures taken, except that sources with continuous emission monitoring systems shall report according to the protocol established and approved by the Department for the source. The required reports shall be certified by a responsible official.

(c) Every report submitted to the Department under this permit condition shall comply with the submission procedures specified in Section B, Condition #020(c) of this permit.

(d) Any records, reports or information obtained by the Department or referred to in a public hearing shall be made available to the public by the Department except for such records, reports or information for which the permittee has shown cause that the documents should be considered confidential and protected from disclosure to the public under Section 4013.2 of the Air Pollution Control Act and consistent with Sections 112(d) and 114(c) of the Clean Air Act and 25 Pa. Code § 127.411(d). The permittee may not request a claim of confidentiality for any emissions data generated for the Title V facility.

#024 [25 Pa. Code § 127.513]**Compliance Certification**

(a) One year after the date of issuance of the Title V permit, and each year thereafter, unless specified elsewhere in the permit, the permittee shall submit to the Department and EPA Region III a certificate of compliance with the terms and conditions in this permit, for the previous year, including the emission limitations, standards or work practices. This certification shall include:

- (1) The identification of each term or condition of the permit that is the basis of the certification.
- (2) The compliance status.
- (3) The methods used for determining the compliance status of the source, currently and over the reporting period.
- (4) Whether compliance was continuous or intermittent.

(b) The compliance certification shall be postmarked or hand-delivered no later than thirty days after each anniversary of the date of issuance of this Title V Operating Permit, or on the submittal date specified elsewhere in the permit, to the Department and EPA in accordance with the submission requirements specified in condition #020 of this section.

#025 [25 Pa. Code § 127.3]**Operational Flexibility**

(a) The permittee is authorized to make changes within the Title V facility in accordance with the following provisions in 25 Pa. Code Chapter 127 which implement the operational flexibility requirements of Section 502(b)(10) of the Clean Air Act and Section 6.1(i) of the Air Pollution Control Act:

SECTION B. General Title V Requirements

- (1) Section 127.14 (relating to exemptions)
- (2) Section 127.447 (relating to alternative operating scenarios)
- (3) Section 127.448 (relating to emissions trading at facilities with Federally enforceable emissions caps)
- (4) Section 127.449 (relating to de minimis emission increases)
- (5) Section 127.450 (relating to administrative operating permit amendments)
- (6) Section 127.462 (relating to minor operating permit amendments)
- (7) Subchapter H (relating to general plan approvals and operating permits)

(b) Unless precluded by the Clean Air Act or the regulations adopted thereunder, the permit shield authorized under 25 Pa. Code § 127.516 shall extend to operational flexibility changes made at this Title V facility pursuant to this permit condition and other applicable operational flexibility terms and conditions of this permit.

#026 [25 Pa. Code §§ 127.441(d), 127.512(i) and 40 CFR Part 68]**Risk Management**

(a) If required by Section 112(r) of the Clean Air Act, the permittee shall develop and implement an accidental release program consistent with requirements of the Clean Air Act, 40 CFR Part 68 (relating to chemical accident prevention provisions) and the Federal Chemical Safety Information, Site Security and Fuels Regulatory Relief Act (P.L. 106-40).

(b) The permittee shall prepare and implement a Risk Management Plan (RMP) which meets the requirements of Section 112(r) of the Clean Air Act, 40 CFR Part 68 and the Federal Chemical Safety Information, Site Security and Fuels Regulatory Relief Act when a regulated substance listed in 40 CFR § 68.130 is present in a process in more than the listed threshold quantity at the Title V facility. The permittee shall submit the RMP to the federal Environmental Protection Agency according to the following schedule and requirements:

- (1) The permittee shall submit the first RMP to a central point specified by EPA no later than the latest of the following:
 - (i) Three years after the date on which a regulated substance is first listed under § 68.130; or,
 - (ii) The date on which a regulated substance is first present above a threshold quantity in a process.

(2) The permittee shall submit any additional relevant information requested by the Department or EPA concerning the RMP and shall make subsequent submissions of RMPs in accordance with 40 CFR § 68.190.

(3) The permittee shall certify that the RMP is accurate and complete in accordance with the requirements of 40 CFR Part 68, including a checklist addressing the required elements of a complete RMP.

(c) As used in this permit condition, the term "process" shall be as defined in 40 CFR § 68.3. The term "process" means any activity involving a regulated substance including any use, storage, manufacturing, handling, or on-site movement of such substances or any combination of these activities. For purposes of this definition, any group of vessels that are interconnected, or separate vessels that are located such that a regulated substance could be involved in a potential release, shall be considered a single process.

(d) If the Title V facility is subject to 40 CFR Part 68, as part of the certification required under this permit, the permittee shall:

(1) Submit a compliance schedule for satisfying the requirements of 40 CFR Part 68 by the date specified in 40 CFR § 68.10(a); or,

(2) Certify that the Title V facility is in compliance with all requirements of 40 CFR Part 68 including the registration and submission of the RMP.

(e) If the Title V facility is subject to 40 CFR Part 68, the permittee shall maintain records supporting the implementation

SECTION B. General Title V Requirements

of an accidental release program for five (5) years in accordance with 40 CFR § 68.200.

(f) When the Title V facility is subject to the accidental release program requirements of Section 112(r) of the Clean Air Act and 40 CFR Part 68, appropriate enforcement action will be taken by the Department if:

(1) The permittee fails to register and submit the RMP or a revised plan pursuant to 40 CFR Part 68.

(2) The permittee fails to submit a compliance schedule or include a statement in the compliance certification required under Condition #24 of Section B of this Title V permit that the Title V facility is in compliance with the requirements of Section 112(r) of the Clean Air Act, 40 CFR Part 68, and 25 Pa. Code § 127.512(i).

#027 [25 Pa. Code § 127.512(e)]

Approved Economic Incentives and Emission Trading Programs

No permit revision shall be required under approved economic incentives, marketable permits, emissions trading and other similar programs or processes for changes that are provided for in this Title V permit.

#028 [25 Pa. Code §§ 127.516, 127.450(d), 127.449(f) & 127.462(g)]

Permit Shield

(a) The permittee's compliance with the conditions of this permit shall be deemed in compliance with applicable requirements (as defined in 25 Pa. Code § 121.1) as of the date of permit issuance if either of the following applies:

(1) The applicable requirements are included and are specifically identified in this permit.

(2) The Department specifically identifies in the permit other requirements that are not applicable to the permitted facility or source.

(b) Nothing in 25 Pa. Code § 127.516 or the Title V permit shall alter or affect the following:

(1) The provisions of Section 303 of the Clean Air Act, including the authority of the Administrator of the EPA provided thereunder.

(2) The liability of the permittee for a violation of an applicable requirement prior to the time of permit issuance.

(3) The applicable requirements of the acid rain program, consistent with Section 408(a) of the Clean Air Act.

(4) The ability of the EPA to obtain information from the permittee under Section 114 of the Clean Air Act.

(c) Unless precluded by the Clean Air Act or regulations thereunder, final action by the Department on minor or significant permit modifications, and operational flexibility changes shall be covered by the permit shield. Upon taking final action granting a request for an administrative permit amendment, the Department will allow coverage of the amendment by the permit shield in § 127.516 for administrative amendments which meet the relevant requirements of 25 Pa. Code Article III.

(d) The permit shield authorized under § 127.516 is in effect for the permit terms and conditions in this Title V permit, including administrative operating permit amendments and minor operating permit modifications.

SECTION C. Site Level Requirements**I. RESTRICTIONS.****Emission Restriction(s).****# 001 [25 Pa. Code §123.1]****Prohibition of certain fugitive emissions**

No person may permit the emission into the outdoor atmosphere of fugitive air contaminants from a source other than the following:

1. Construction or demolition of buildings or structures.
2. Grading, paving and maintenance of roads and streets.
3. Use of roads and streets. Emissions from material in or on trucks, railroad cars and other vehicular equipment are not considered as emissions from use of roads and streets.
4. Clearing of land.
5. Stockpiling of materials.
6. Sources and classes of sources other than those identified in paragraphs (1) - (5), for which the operator has obtained a determination from the Department in accordance with 25 Pa. Code Section 123.1(b) that fugitive emissions from the source, after appropriate control, meet the following requirements:
 - i. The emissions are of minor significance with respect to causing air pollution; and
 - ii. The emissions are not preventing or interfering with the attainment or maintenance of any ambient air quality standard.

002 [25 Pa. Code §123.2]**Fugitive particulate matter**

No person shall permit fugitive particulate matter to be emitted into the outdoor atmosphere from a source specified in the preceding permit Condition #001, Section C, if such emissions are visible at the point the emissions pass outside the person's property.

003 [25 Pa. Code §123.31]**Limitations**

No person shall emit any malodorous air contaminants into the outdoor atmosphere from any source in such a manner that the malodors are detectable outside the property of the person on whose land the source is being operated.

004 [25 Pa. Code §123.41]**Limitations**

No person shall emit visible air contaminants into the outdoor atmosphere in such a manner that the opacity of the emission is either of the following unless specifically stated otherwise in this permit:

- a. Equal to or greater than 20 percent for a period or periods aggregating more than three minutes in any one hour.
- b. Equal to or greater than 60 percent at any time.

005 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

The permittee shall limit the Sulfur Dioxide (SO_x) as SO₂ emissions from the smelter sources within this permit to less than 100 tons during any consecutive 12-month period.

SECTION C. Site Level Requirements**# 006 [25 Pa. Code §129.91]****Control of major sources of NOx and VOCs**

The permittee shall limit the emissions from the smelter sources under this permit to the following during any consecutive 12-month period:

- a. Nitrogen Oxides (NOX) as NO₂ - 99.9 tons
- b. Volatile Organic Compounds (VOC) - 37.7 tons

II. TESTING REQUIREMENTS.**# 007 [25 Pa. Code §123.43]****Measuring techniques**

Visible emissions may be measured by using either of the following:

- a. A device approved by the Department and maintained to provide accurate opacity measurements.
- b. Observers, trained and qualified to measure plume opacity with the naked eye or with the aid of any devices approved by the Department.

008 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

The Department reserves the right to require exhaust stack testing of any source as necessary during the permit term to verify emissions for purposes including emission fees, malfunctions or permit condition violations.

009 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

For any testing the permittee shall follow the following:

- a. Pursuant to 25 Pa. Code Section 139.3 at least 45 calendar days prior to commencing an emissions testing program, a test protocol shall be submitted to the Department for review and approval. The test protocol shall meet all applicable requirements specified in the most current version of the Department's Source Testing Manual.
- b. Pursuant to 25 Pa. Code Section 139.3 at least 15 calendar days prior to commencing an emission testing program, notification as to the date and time of testing shall be given to the appropriate Regional Office. Notification shall also be sent to the Division of Source Testing and Monitoring. Notification shall not be made without prior receipt of a protocol acceptance letter from the Department.
- c. Pursuant to 25 Pa. Code Section 139.53(a)(3) within 15 calendar days after completion of the on-site testing portion of an emission test program, if a complete test report has not yet been submitted, an electronic mail notification shall be sent to the Department's Division of Source Testing and Monitoring and the appropriate Regional Office indicating the completion date of the on-site testing.
- d. Pursuant to 40 CFR Part 60.8(a) and 40 CFR Part 63.7(g) a complete test report shall be submitted to the Department no later than 60 calendar days after completion of the on-site testing portion of an emission test program.
- e. Pursuant to 25 Pa. Code Section 139.53(b) a complete test report shall include a summary of the emission results on the first page of the report indicating if each pollutant measured is within permitted limits. The summary results will include, at a minimum, the following information:

SECTION C. Site Level Requirements

1. A statement that the owner or operator has reviewed the report from the emissions testing body and agrees with the findings.
 2. Permit number(s) and condition(s) which are the basis for the evaluation.
 3. Summary of results with respect to each applicable emission limitation.
 4. Statement of compliance or non-compliance with each applicable emission limitation.
- f. Pursuant to 25 Pa. Code Section 139.3 all submittals shall meet all applicable requirements specified in the most current version of the Department's Source Testing Manual.
- g. All testing shall be performed in accordance with the provisions of Chapter 139 of the Rules and Regulations of the Department of Environmental Protection.
- h. Pursuant to 25 Pa. Code Section 139.53(a)(1) and 139.53(a)(3) all submittals, besides notifications, shall be accomplished through PSIMS*Online available through <https://www.depgreenport.state.pa.us/ecommm/Login.jsp> when it becomes available. If internet submittal can not be accomplished, two copies of the submittal shall be sent to the Pennsylvania Department of Environmental Protection, Bureau of Air Quality, Division of Source Testing and Monitoring, 400 Market Street, 12th Floor Rachael Carson State Office Building, Harrisburg, PA 17105-8468 with deadlines verified through document postmarks. In a like manner, a copy of the submittal shall be sent to the Southcentral Regional Office and District Office.
- i. The permittee shall ensure all federal reporting requirements contained in the applicable subpart of 40 CFR are followed, including timelines more stringent than those contained herein. In the event of an inconsistency or any conflicting requirements between state and the federal, the most stringent provision, term, condition, method or rule shall be used by default.

010 [25 Pa. Code §127.441]
Operating permit terms and conditions.

Additional authority for parts of this condition are derived from 40 CFR Part 60, Subpart L, NSPS and Part 63, Subpart X, MACT]

The permittee shall use the following test methods to determine compliance with the various emission limits unless another test method is approved in writing by the Department:

- a. Particulate - US EPA Method 5 as found in 40 CFR Part 60
- b. Lead - US EPA Method 12 as found in 40 CFR Part 60
- c. Visible Emissions - US EPA Method 9 as found in 40 CFR Part 60 or US EPA Method 22 as found in 40 CFR Part 60
- d. Sulfur Oxides (SOx) - US EPA Method 6C as found in 40 CFR Part 60
- e. Nitrogen Oxides (NOx) - US EPA Method 7E as found in 40 CFR Part 60

011 [25 Pa. Code §139.1]
Sampling facilities.

Upon the request of the Department, the permittee shall provide adequate sampling ports, safe sampling platforms and adequate utilities for the performance by the Department of tests on such source. The Department will set forth, in the request, the time period in which the facilities shall be provided as well as the specifications for such facilities.

III. MONITORING REQUIREMENTS.

012 [25 Pa. Code §127.441]
Operating permit terms and conditions.

The permittee shall conduct a daily inspection around the facility periphery during the daylight hours when the facility is in production to detect visible emissions, fugitive emissions and malodors as follows:

SECTION C. Site Level Requirements

- a. Visible emissions in excess of the limits stated in Condition #004, Section C or any other limits specifically stated in this permit. Visible emissions may be measured according to the methods specified in Condition #007, Section C. As an alternative, facility personnel who observe such visible emissions shall report each incident to the Department within two hours of each occurrence and make arrangements for a certified observer to read the visible emissions.
- b. Presence of visible fugitive emissions and fugitive particulate matter beyond the plant property boundaries, as stated in Condition #002, Section C.
- c. Presence of odors beyond the facility property boundaries that have the potential to be malodorous as stated in Condition #003, Section C.

IV. RECORDKEEPING REQUIREMENTS.

013 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall record the results of the daily inspections around the facility on the approved check sheets. The check sheets shall be made available to the Department upon request. The sheets shall be maintained in an acceptable manner.

014 [25 Pa. Code §127.441]

Operating permit terms and conditions.

For the purposes of Prevention of Significant Deterioration (PSD), New Source Review (NSR), Reasonably Available Control Technology (RACT) and any other federal program, the permittee shall maintain a 12-month rolling total of the following emissions from the smelter sources and a combined total of the smelter and the adjacent battery assembly facility:

- a. PM-10 (minus sulfuric acid mist)
- b. Nitrogen Oxides (NO_x)
- c. Sulfur Oxides (SO_x)
- d. Carbon Monoxide (CO)
- e. Volatile Organic Compounds (VOC)
- f. Lead
- g. Sulfuric Acid Mist (H₂SO₄)

Note: These emissions shall be calculated using methods and/or emission factors approved by the Department or certified continuous emission monitors. Sulfuric Acid Mist (H₂SO₄) shall reported as particulate from all sources at the smelter, while all assembly sources will report acid mist as mist and not particulate.

015 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6]

Subpart A--General Provisions

Compliance with standards and maintenance requirements.

When actions taken by the permittee during a start-up, shutdown or malfunction (including actions taken to correct a malfunction) are consistent with the procedures specified in the facility's start-up, shutdown and malfunction plan, the permittee shall keep records for that event that demonstrate that the procedures specified in the plan were followed. These records may take the form of a "checklist," or other effective form of record keeping, that confirms conformance with the start-up, shutdown and malfunction plan for the event. The permittee shall keep records of these events including records of the occurrence and duration of the start-up, shutdown or malfunction of operation and each malfunction of an air pollution control device. The permittee shall confirm that actions taken during the relevant reporting period during periods of start-up, shutdown and malfunction were consistent with the affected source's plan in the semiannual SSM report.

SECTION C. Site Level Requirements**# 016 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6]****Subpart A--General Provisions****Compliance with standards and maintenance requirements.**

When actions taken by the permittee during a start-up, shutdown or malfunction (including actions taken to correct a malfunction) are not consistent with the procedures specified in the facility's start-up, shutdown and malfunction plan, the permittee shall keep records of the actions taken for that event and shall report such actions within 2 working days after commencing actions inconsistent with the plan, followed by a letter within 7 working days after the end of the event, in accordance with Part 63 (unless the permittee makes alternative reporting arrangements, in advance).

V. REPORTING REQUIREMENTS.**# 017 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee's annual Compliance Certification as required by Condition #024, Section B, should be postmarked or hand-delivered by January 31st of each year to the Department and EPA in accordance with the submission requirements specified in Condition #020, Section B.

018 [25 Pa. Code §127.511]**Monitoring and related recordkeeping and reporting requirements.**

[Additional authority for this permit condition is derived from 25 PA Code Chapters 122 and 124 and 40 CFR Part 60 Sections 60.19 and Part 63, Section 63.10]

a. The permittee shall report each malfunction to the Department that occurs with this sources. For purposes of this condition, a malfunction is any sudden, infrequent and not reasonably preventable failure of the air pollution control equipment, process equipment, or process to operate in a normal or usual manner that may result in an increase in air emissions above minor significance.

b. When malfunctions pose an imminent danger to public health and safety or harm to the environment, the notification shall be submitted to the Department no later than two (2) hours after the incident is detected by the permittee.

1. The notice shall describe the:

i. Name and location of the facility;

ii. Nature and cause of the malfunction or breakdown;

iii. Time when the malfunction or breakdown was first observed;

iv. Expected duration of excess emissions; and

v. Estimated rate of emissions.

2. The permittee shall notify the Department immediately when corrective measures have been accomplished.

3. Subsequent to the malfunction, the permittee shall submit a full report of the malfunction to the Department within fifteen (15) days, if requested.

c. Malfunctions shall be reported to the Department at the following address:

PA DEP, Reading District Office
Air Quality Program

SECTION C. Site Level Requirements

1001 Cross Roads Blvd
Reading, Pa 19605

Telephone reports can be made to the Air Quality Program at 610-916-0100 during normal business hours or to the Department's Emergency Hotline 877-333-1904 at any time.

VI. WORK PRACTICE REQUIREMENTS.**# 019 [25 Pa. Code §123.1]****Prohibition of certain fugitive emissions**

The permittee shall take all reasonable actions to prevent particulate matter from the sources identified in Condition #001, Section C from becoming airborne. These actions shall include, but not be limited to, the following:

- a. Use, where possible, of water or chemicals for control of dust in the demolition of buildings or structures, construction operations, the grading of roads or the clearing of land.
- b. Application of asphalt, oil, water or suitable chemicals on dirt roads, material stockpiles and other surfaces which may give rise to airborne dusts.
- c. Paving and maintenance of roadways.
- d. Prompt removal of earth or other material from paved streets onto which earth or other material has been transported by trucking or earth moving equipment, erosion by water or other means.

VII. ADDITIONAL REQUIREMENTS.**# 020 [25 Pa. Code §123.42]****Exceptions**

The limitations of 25 Pa. Code Section 123.41 (relating to limitations) do not apply to a visible emission in any of the following instances:

- a. When the presence of uncombined water is the only reason for failure of the emission to meet the limitations.
- b. When the emission results from the operation of equipment used solely to train and test persons in observing the opacity of visible emissions.
- c. When the emission results from sources specified in Condition #001, Section C (relating to prohibition of certain fugitive emissions).

021 [25 Pa. Code §129.14]**Open burning operations**

- a. No person shall conduct open burning of materials in such a manner that:
 1. The emissions are visible, at any time, at the point such emissions pass outside the property of the person on whose land the open burning is being conducted.
 2. Malodorous air contaminants from the open burning are detectable outside the property of the person on whose land the open burning is being conducted.
 3. The emissions interfere with the reasonable enjoyment of life and property.

SECTION C. Site Level Requirements

4. The emissions cause damage to vegetation or property.
 5. The emissions are or may be deleterious to human or animal health.
- b. These limits do not apply where the open burning operations result from the following:
1. A fire set to prevent or abate a fire hazard, when approved by the Department and set by or under the supervision of a public officer.
 2. Any fire set for the purpose of instructing personnel in fire fighting, when approved by the Department.
 3. A fire set for the prevention and control of disease or pests, when approved by the Department.
 4. A fire set in conjunction with the production of agricultural commodities in their unmanufactured state on the premises of the farm operation.
 5. A fire set solely for recreational or ceremonial purposes.
 6. A fire set solely for cooking food.
- c. This permit does not constitute authorization to burn solid waste pursuant to Section 610(3) of the Solid Waste Management Act, 35 P. S. Section 6018.610(3), or any other provision of the Solid Waste Management Act.

022 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6]**Subpart A--General Provisions****Compliance with standards and maintenance requirements.**

The permittee shall have developed and implemented a written start-up, shutdown and malfunction plan (SSM plan), that describes in detail, the procedures for operation and maintaining the sources during start-up, shutdown and malfunctions and a program of corrective action for malfunctioning sources and control devices. The SSM plan is incorporated into this Title V permit. The current SSM plan and any previous plans (less than 5 years) shall be maintained at the facility.

If the plan fails to address or inadequately addresses an event that meets the characteristics of a malfunction but was not included in the plan at the time the permittee developed the plan, the permittee shall revise the plan within 45 days after the event to include detailed procedures for operating and maintaining the source during similar malfunctions of the source or control device.

023 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6]**Subpart A--General Provisions****Compliance with standards and maintenance requirements.**

At all times, including periods of start-up, shutdown and malfunction, the permittee shall operate and maintain any affected sources and associated air pollution control equipment, in a manner consistent with good air pollution control practices for minimizing emissions at least to the levels required by all relevant standards.

The affected sources and associated air pollution control equipment shall be operated in accordance with the SSM plan during periods of start-up, shutdown and malfunctions. Malfunctions shall be corrected as soon as practicable after their occurrence in accordance with the start-up, shutdown and malfunction plan (SSM plan).

024 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6]**Subpart A--General Provisions****Compliance with standards and maintenance requirements.**

SECTION C. Site Level Requirements

On October 16, 2009, the United States Court of Appeals for the District of Columbia Circuit issued a Mandate vacating 40 CFR 63.6(f)(1) and 63.6(h)(1). East Penn shall comply with 40 CFR Part 63 by operating those sources subject to the provisions of 40 CFR Part 63, Subpart X as included in Section E, Source Group Restrictions, SG02 Lead MACT in a manner consistent with the U.S. EPA Office of Civil Enforcement's July 22, 2009 letter addressing the Court's Mandate, until such a time as U.S. EPA promulgates revisions to 40 CFR Part 63, Subpart X that address the issue of "Affirmative Defense."

VIII. COMPLIANCE CERTIFICATION.

No additional compliance certifications exist except as provided in other sections of this permit including Section B (relating to Title V General Requirements).

IX. COMPLIANCE SCHEDULE.

No compliance milestones exist.

***** Permit Shield In Effect *****

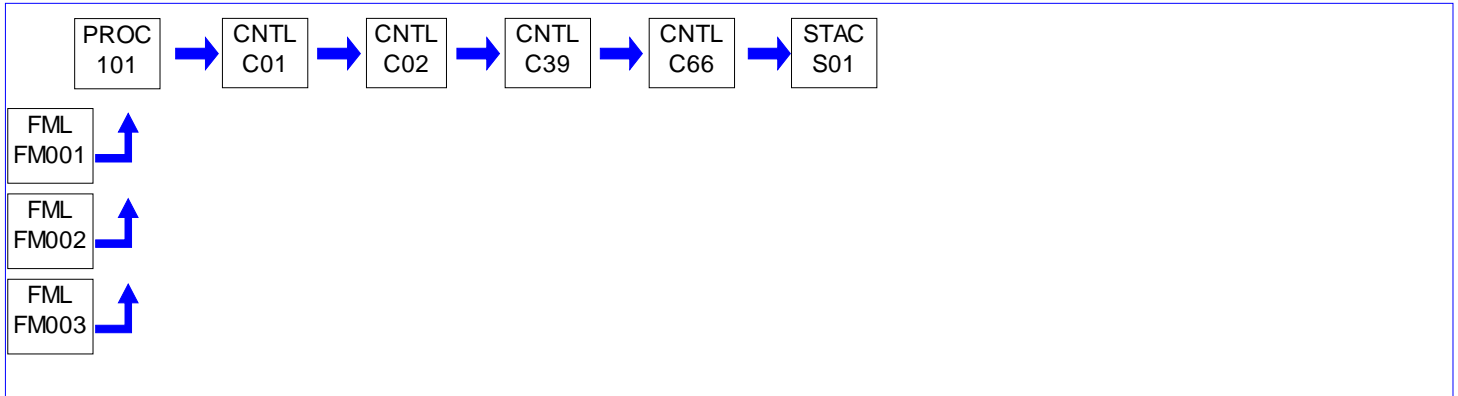
SECTION D. Source Level Requirements

Source ID: 101

Source Name: BLAST FURNACE - BH #5

Source Capacity/Throughput:	6.250 Tons/HR	LEAD
	3,000.000 Lbs/HR	COKE

Conditions for this source occur in the following groups: SG01 FURNACES
SG02 LEAD MACT
SG03 CEMS
SG04 CAM

**I. RESTRICTIONS.**

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).



SECTION D. Source Level Requirements

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

*** Permit Shield in Effect. ***

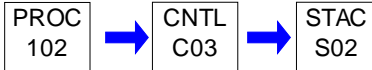
**SECTION D. Source Level Requirements**

Source ID: 102

Source Name: BLAST FURNACE VENTILATION SYSTEM-BH #3

Source Capacity/Throughput: 6.250 Tons/HR LEAD

Conditions for this source occur in the following groups: SG02 LEAD MACT
SG04 CAM

**I. RESTRICTIONS.****Emission Restriction(s).****# 001 [25 Pa. Code §123.13]****Processes**

The permittee shall not permit the emission to the atmosphere of particulate matter from the source in a manner that the concentration of particulate matter in the effluent gas exceeds 0.04 grain per dry standard cubic foot.

002 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

[Additional authority for this permit condition is derived from 25 PA Code Section 129.91 and 40 CFR Part 63, Section 63.544]

The permittee shall limit the emissions from the blast furnace ventilation system to the following:

- a. Lead - 0.00087 grains per dry standard cubic foot
- b. Lead - 1.48 tons during any consecutive 12-month period
- c. Total Hydrocarbons - 20 ppmv as propane at 4% carbon dioxide

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

IV. RECORDKEEPING REQUIREMENTS.**# 003 [25 Pa. Code §127.511]****Monitoring and related recordkeeping and reporting requirements.**

[Additional authority for this permit condition is derived from 25 Pa Code Section 129.91]

The permittee shall record the following information concerning these sources each month and maintain a 12-month rolling total:

SECTION D. Source Level Requirements

- a. Hours of blast furnace operation
- b. VOC and lead emissions

Note: The VOC and lead emissions shall be calculated using emission factors approved by the Department.

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VII. ADDITIONAL REQUIREMENTS.

004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall provide and maintain equipment (a differential manometer or equivalent, as approved by the Department) so that the pressure drop across each cell of the fabric collector and HEPA filter can be measured.

***** Permit Shield in Effect. *****

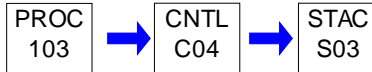
SECTION D. Source Level Requirements

Source ID: 103

Source Name: MATERIAL STORAGE ROOM VENTILATION-BH#1

Source Capacity/Throughput:

Conditions for this source occur in the following groups: SG02 LEAD MACT
SG04 CAM

**I. RESTRICTIONS.****Emission Restriction(s).****# 001 [25 Pa. Code §123.13]****Processes**

The permittee shall not permit the emission to the atmosphere of particulate matter from the source in a manner that the concentration of particulate matter in the effluent gas exceeds 0.04 grain per dry standard cubic foot.

002 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

[Additional authority for this permit condition is derived from 40 CFR Part 63, Section 63.545]

The permittee shall limit the emissions from the material storage ventilation:

- a. Lead - 0.00087 grains per dry standard cubic foot
- b. Lead - 1.16 tons during any consecutive 12-month period

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

IV. RECORDKEEPING REQUIREMENTS.**# 003 [25 Pa. Code §127.511]****Monitoring and related recordkeeping and reporting requirements.**

The permittee shall record the following information concerning these sources each month and maintain a 12-month rolling total:

- a. Hours of operation
- b. Lead emissions

Note: The lead emissions shall be calculated using emission factors approved by the Department.

SECTION D. Source Level Requirements**V. REPORTING REQUIREMENTS.**

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VI. WORK PRACTICE REQUIREMENTS.**# 004 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this condition is derived from 40 CFR Sections 52.2020(c)(62) and 63.545(b)(5)]

The permittee shall maintain a total enclosure of the source, and exhaust the source to a control device.

VII. ADDITIONAL REQUIREMENTS.**# 005 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall provide and maintain equipment (a differential manometer or equivalent, as approved by the Department) so that the pressure drop across each cell of the fabric collector can be measured.

***** Permit Shield in Effect. *****

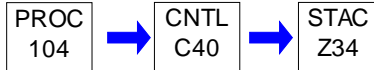
SECTION D. Source Level Requirements

Source ID: 104

Source Name: PLANT ROADWAYS

Source Capacity/Throughput:

Conditions for this source occur in the following groups: SG02 LEAD MACT

**I. RESTRICTIONS.**

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 106

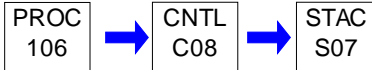
Source Name: BATTERY BREAKER & SEPARATION OPERATION

Source Capacity/Throughput:

25.000 Tons/HR

SCRAP LEAD

Conditions for this source occur in the following groups: SG02 LEAD MACT
SG04 CAM



I. RESTRICTIONS.

Emission Restriction(s).

001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is derived from 40 CFR Part 63, Section 63.545]

The permittee shall limit the emissions from the Battery Breaker & Separation Operation to the following:

a. Automotive Batteries:

1. Particulate - 3.7 pounds per hour
2. Particulate - 16.0 tons during any consecutive 12-month period
3. Lead - 0.00087 grains per dry standard cubic foot
4. Lead - 1.3 tons during any consecutive 12-month period

b. Industrial Batteries:

Lead - 0.00087 grains per dry standard cubic foot

002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall not operate the automotive battery breaking & separation operation in a manner resulting in visible emissions.

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

SECTION D. Source Level Requirements**IV. RECORDKEEPING REQUIREMENTS.****# 003 [25 Pa. Code §127.511]****Monitoring and related recordkeeping and reporting requirements.**

The permittee shall record the following information concerning these sources each month and maintain a 12-month rolling total:

- a. Hours of operation
- b. Particulate and lead emissions

Note: The particulate and lead emissions shall be calculated using emission factors approved by the Department.

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VI. WORK PRACTICE REQUIREMENTS.**# 004 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall annually inspect the scrubber for the following and report the findings on the approved check lists:

- a. General operating status of the scrubber,
- b. Inspection of the monitoring equipment,
- c. Inspection of the physical integrity of the scrubber,
- d. Inspection of the fan and duct work to the scrubber and
- e. Inspection of the collection material removal system.

005 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

The permittee shall maintain the source within the battery breaking building.

006 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

[Additional authority for this condition is derived from 40 CFR Section 52.2020 (c)(62)]

The permittee shall transfer all lead scrap from the breaking operation to the scrap material storage room (103) by conveyors or chutes.

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).



SECTION D. Source Level Requirements

***** Permit Shield in Effect. *****

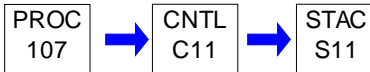
SECTION D. Source Level Requirements

Source ID: 107

Source Name: SIX REFINING KETTLES - BH#4

Source Capacity/Throughput: 19.200 Tons/HR LEAD

Conditions for this source occur in the following groups: SG02 LEAD MACT
SG04 CAM



I. RESTRICTIONS.

Emission Restriction(s).

001 [25 Pa. Code §123.13]

Processes

The permittee shall not permit the emission to the atmosphere of particulate matter from the source in a manner that the concentration of particulate matter in the effluent gas exceeds 0.04 grain per dry standard cubic foot.

002 [25 Pa. Code §123.21]

General

The permittee may not permit the emission into the outdoor atmosphere of sulfur oxides from a source in a manner that the concentration of sulfur oxides, expressed as SO₂, in the effluent gas exceeds 500 parts per million, by volume, dry basis.

003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is derived from 40 CFR Part 63, Section 63.544]

The permittee shall limit the emissions from the refining kettles to:

- Lead - 0.00087 grains per dry standard cubic foot
- Lead - 1.33 tons during any consecutive 12-month period

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

SECTION D. Source Level Requirements**IV. RECORDKEEPING REQUIREMENTS.****# 004 [25 Pa. Code §127.511]****Monitoring and related recordkeeping and reporting requirements.**

The permittee shall record the following information concerning these sources each month and maintain a 12-month rolling total:

- a. Hours of operation
- b. Lead emissions

Note: The lead emissions shall be calculated using emission factors approved by the Department. The permittee shall include the fuel consumption and emissions of combustion with the source 112 (Miscellaneous combustion emissions).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VII. ADDITIONAL REQUIREMENTS.**# 005 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall provide and maintain equipment (a differential manometer or equivalent, as approved by the Department) so that the pressure drop across each cell of the fabric collector and HEPA filter can be measured.

*** **Permit Shield in Effect.** ***

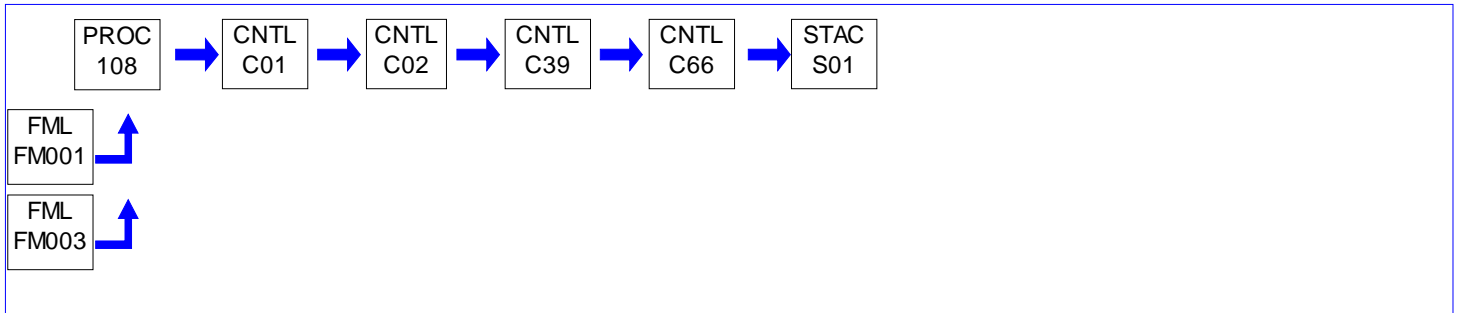
SECTION D. Source Level Requirements

Source ID: 108

Source Name: REVERBATORY FURNACE & TAPPING - BH #5

Source Capacity/Throughput:	12.900 Tons/HR	LEAD
	31.000 MCF/HR	NATURAL GAS
	350.000 Gal/HR	PROPANE

Conditions for this source occur in the following groups: SG01 FURNACES
SG02 LEAD MACT
SG03 CEMS
SG04 CAM

**I. RESTRICTIONS.**

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).



SECTION D. Source Level Requirements

*** Permit Shield in Effect. ***

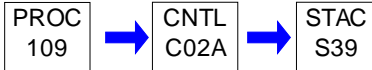
SECTION D. Source Level Requirements

Source ID: 109

Source Name: REVERBATORY FURN VENTILATION GP#2- BH#5A

Source Capacity/Throughput: 12.900 Tons/HR LEAD

Conditions for this source occur in the following groups: SG02 LEAD MACT
SG04 CAM



I. RESTRICTIONS.

Emission Restriction(s).

001 [25 Pa. Code §123.13]

Processes

The permittee shall limit the emissions of particulate matter to the outdoor atmosphere from the source in a manner that the concentration of particulate matter in the effluent gas does not exceed 0.04 grain per dry standard cubic foot.

002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall limit the emissions from the Reverberatory Furnace Ventilation System:

- Lead - 0.01 pounds per hour or 0.0001 grains per dry standard cubic foot (whichever is less)
- Lead - 0.49 tons during any consecutive 12-month period

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

IV. RECORDKEEPING REQUIREMENTS.

003 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

The permittee shall record the following information concerning these sources each month and maintain a 12-month rolling total:

- Hours of operation
- Lead emissions

Note: The lead emissions shall be calculated using emission factors used in the permittee's Title V application, or others approved by the Department.

SECTION D. Source Level Requirements**V. REPORTING REQUIREMENTS.**

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VII. ADDITIONAL REQUIREMENTS.

004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall provide and maintain equipment (a differential manometer or equivalent, as approved by the Department) so that the pressure drop across each cell of the fabric collector and HEPA filter can be measured.

***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 110

Source Name: SCRAP DRYER - BH #6

Source Capacity/Throughput:	13.500 MCF/HR	NATURAL GAS
	150.000 Gal/HR	PROPANE
	45,000.000 Lbs/HR	LEAD SCRAP

Conditions for this source occur in the following groups: SG02 LEAD MACT
SG04 CAM

**I. RESTRICTIONS.****Emission Restriction(s).****# 001 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this condition is provided by Plan Approval No. 06-05040A]

The permittee shall not operate the scrap dryer in a manner resulting in visible emissions.

002 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

[Additional authority for this condition is derived from 40 CFR Part 63, Section 63.544 and Plan Approval No. 06-05040A]

The permittee shall limit the emissions to the following :

- Particulate - 0.01 grains per dry standard cubic foot
- Particulate - 9.87 tons during any consecutive 12-month period
- Lead - 0.00087 grains per dry standard cubic foot
- Lead - 0.86 tons during any consecutive 12-month period
- Nitrogen Oxides (NOx) - 0.11 pounds per million BTU of heat input (as NO₂)
- Nitrogen Oxides (NOx) - 5.66 tons during any consecutive 12-month period (as NO₂)
- Sulfur Oxides (SOx) - 0.01 pounds per million BTU of heat input (as SO₂)

Control Device Efficiency Restriction(s).**# 003 [25 Pa. Code §129.91]****Control of major sources of NOx and VOCs**

[Additional authority for this condition is provided by Plan Approval No. 06-05040A]

The permittee shall use a Low- NOx burner or equivalent as approved by the Department to supply the heat to the dryer.

SECTION D. Source Level Requirements**II. TESTING REQUIREMENTS.**

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

IV. RECORDKEEPING REQUIREMENTS.**# 004 [25 Pa. Code §127.511]****Monitoring and related recordkeeping and reporting requirements.**

[Additional authority for this condition is derived from Plan Approval No. 06-05040A]

The permittee shall record the following information concerning these sources each month and maintain a 12-month rolling total:

- a. Hours of operation
- b. Fuel consumed
- c. Particulate, NOx and lead emissions

Note: The particulate, NOx and lead emissions shall be calculated using emission factors approved by the Department.

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VII. ADDITIONAL REQUIREMENTS.**# 005 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this condition is provided by Plan Approval No. 06-05040A]

The permittee shall provide and maintain equipment (a differential manometer or equivalent, as approved by the Department) so that the pressure drop across each cell of the fabric collector and HEPA filter can be measured.

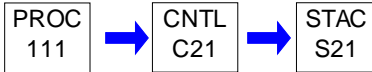
*** **Permit Shield in Effect.** ***

SECTION D. Source Level Requirements

Source ID: 111

Source Name: SLAG STORAGE AREA

Source Capacity/Throughput:

**I. RESTRICTIONS.****Emission Restriction(s).****# 001 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall limit the emissions from the Slag Storage & Handling Building to the following:

- a. Particulate - 0.008 grains per dry standard cubic foot
- b. Particulate - 9.2 tons during any consecutive 12-month period
- c. Lead - 0.00087 grains per dry standard cubic foot
- d. Lead - 1.0 tons during any consecutive 12-month period

002 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

The permittee shall not operate the slag storage & handling building in a manner resulting in visible emissions.

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

III. MONITORING REQUIREMENTS.**# 003 [25 Pa. Code §127.511]****Monitoring and related recordkeeping and reporting requirements.**

The permittee shall read and record the pressure drop across each cell of the fabric collector at a minimum of once per week.

IV. RECORDKEEPING REQUIREMENTS.**# 004 [25 Pa. Code §127.511]****Monitoring and related recordkeeping and reporting requirements.**

The permittee shall record the following information concerning these sources each month and maintain a 12-month rolling total:

- a. Hours of operation
- b. Particulate and lead emissions

Note: The particulate and lead emissions shall be calculated using emission factors approved by the Department.

SECTION D. Source Level Requirements**V. REPORTING REQUIREMENTS.**

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VI. WORK PRACTICE REQUIREMENTS.**# 005 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall maintain the Slag Storage Building as approved and ventilated to a fabric collector.

006 [25 Pa. Code §127.511]**Monitoring and related recordkeeping and reporting requirements.**

The permittee shall inspect the fabric collector and associated equipment annually. The inspection shall include the following and be recorded on the approved check sheets:

- a. Leaks in the collector shell,
- b. Leaks in the bags,
- c. Leaks in the ductwork and
- d. Fan and housing.

VII. ADDITIONAL REQUIREMENTS.**# 007 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall provide and maintain equipment (a differential manometer or equivalent, as approved by the Department) so that the pressure drop across each cell of the fabric collector and HEPA filter can be measured.

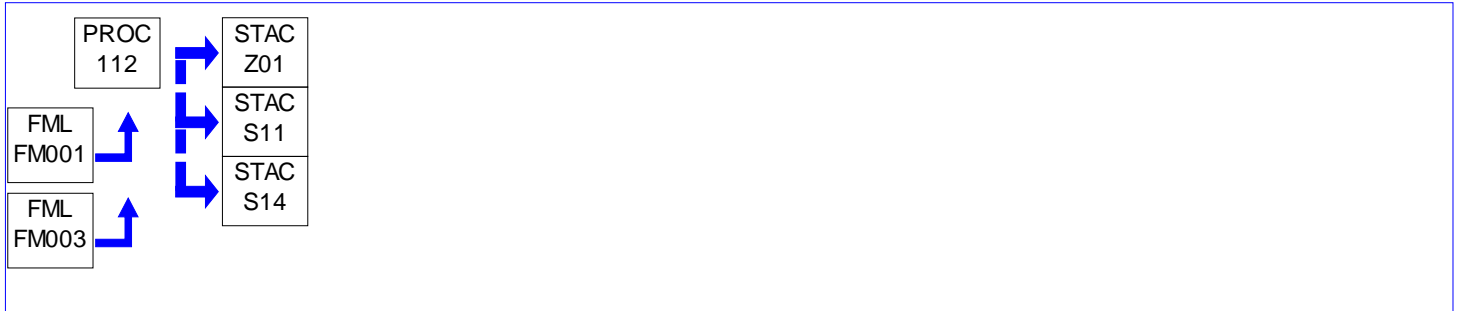
***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 112

Source Name: MISCELLANEOUS COMBUSTION SOURCES

Source Capacity/Throughput:

**I. RESTRICTIONS.****Emission Restriction(s).****# 001 [25 Pa. Code §123.11]****Combustion units**

The permittee shall limit the emissions of particulate matter to 0.4 pounds per million BTU of heat input or less for those units within this source, that are defined as combustion units in Chapter 123 and have a heat input of greater than 2.5 million BTUs.

002 [25 Pa. Code §123.13]**Processes**

The permittee shall limit the emissions of particulate matter to the outdoor atmosphere from any unit within this source, that is defined as a process in Chapter 123, in a manner that the concentration of particulate matter in the effluent gas does not exceed 0.04 grains per dry standard cubic foot.

003 [25 Pa. Code §123.21]**General**

The permittee may not permit the emission into the outdoor atmosphere of sulfur oxides from a unit within this source, that is defined as a process in Chapter 123, in a manner that the concentration of sulfur oxides, expressed as SO₂, in the effluent gas exceeds 500 parts per million, by volume, dry basis.

004 [25 Pa. Code §123.22]**Combustion units**

No person may permit the emission into the outdoor atmosphere of sulfur oxides, expressed as SO₂, from any combustion unit as defined by Chapter 123, at any time, in excess of the rate of 4 pounds per million BTU of heat input over any 1-hour period from any units within this source, that are defined as combustion units.

005 [25 Pa. Code §129.91]**Control of major sources of NO_x and VOCs**

The permittee shall limit the emissions from this source to 4.49 tons of nitrogen oxides (as NO₂) during any consecutive 12-month period.

SECTION D. Source Level Requirements**Throughput Restriction(s).****# 006 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition is derived from 25 Pa Code, Section 129.91]

The permittee shall limit the consumption of natural gas and/or propane from all of the sources covered by this permit, with the exception of those listed in Condition #009, Source 112, Section D, to a total of 91.5 billion BTUs during any consecutive 12-month period.

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

IV. RECORDKEEPING REQUIREMENTS.**# 007 [25 Pa. Code §127.511]****Monitoring and related recordkeeping and reporting requirements.**

The permittee shall record the following information concerning this source each month and maintain a 12-month rolling total:

- a. Amount of fuel consumed
- b. NOx emissions

Note: The NOx emissions shall be calculated using emission factors approved by the Department.

008 [25 Pa. Code §127.511]**Monitoring and related recordkeeping and reporting requirements.**

The permittee shall maintain an inventory of the various sources covered by this source. This inventory shall be updated annually.

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VI. WORK PRACTICE REQUIREMENTS.**# 009 [25 Pa. Code §129.91]****Control of major sources of NOx and VOCs**

[Additional authority for this condition is derived from 25 Pa Code Section 129.93(c)]

The permittee shall operate the sources as per manufacturer specifications and/or good combustion methods.

SECTION D. Source Level Requirements**VII. ADDITIONAL REQUIREMENTS.****# 010 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

This source consists of the sources of combustion identified on the permittee's inventory and excludes the following smelter sources:

- a. Blast Furnace
- b. Reverberatory Furnace
- c. Afterburner
- d. Scrap Dryer

***** Permit Shield in Effect. *****

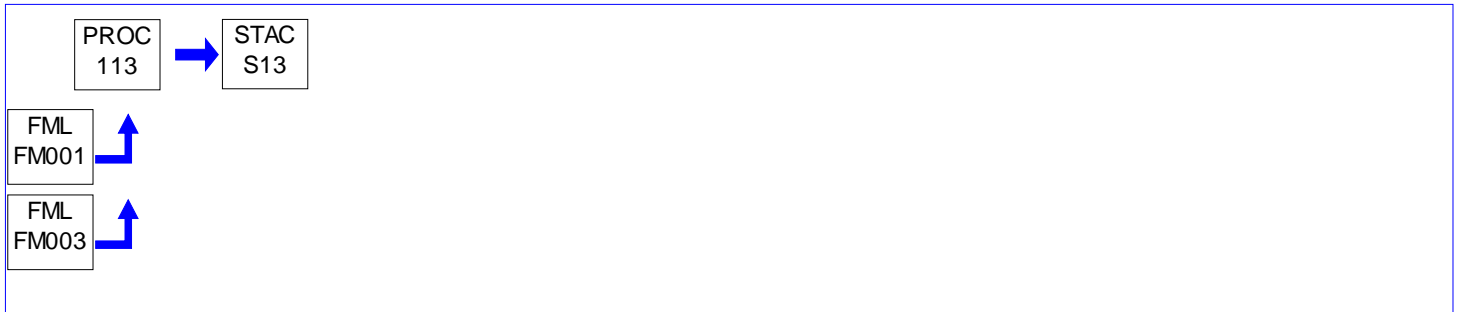
SECTION D. Source Level Requirements

Source ID: 113

Source Name: EMERGENCY GENERATORS

Source Capacity/Throughput:

Conditions for this source occur in the following groups: SG05 SUBPART ZZZZ

**I. RESTRICTIONS.****Emission Restriction(s).**

001 [25 Pa. Code §123.13]

Processes

The permittee shall limit the emissions of particulate matter to the outdoor atmosphere from the source in a manner that the concentration of particulate matter in the effluent gas does not exceed 0.04 grain per dry standard cubic foot.

002 [25 Pa. Code §123.21]

General

The permittee may not permit the emission into the outdoor atmosphere of sulfur oxides from the source in a manner that the concentration of sulfur oxides, expressed as SO₂, in the effluent gas exceeds 500 parts per million, by volume, dry basis.

Operation Hours Restriction(s).

003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this condition is derived from 25 Pa Code, Section 129.93]

The permittee shall limit the operation of the emergency generators to 500 hours (each) in any consecutive 12-month period.

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

SECTION D. Source Level Requirements**IV. RECORDKEEPING REQUIREMENTS.****# 004 [25 Pa. Code §127.511]****Monitoring and related recordkeeping and reporting requirements.**

[Additional authority for this condition is derived from 25 PA Code Section 129.91]

The permittee shall maintain an inventory of the emergency generators, that are part of the smelter facility. The inventory shall include the date of installation, manufacturer, model, type, rating and fuel types.

005 [25 Pa. Code §127.511]**Monitoring and related recordkeeping and reporting requirements.**

[Additional authority for this condition is derived from 25 PA Code Section 129.91]

The permittee shall record the hours of operation of each unit in this source each month and maintain a 12-month rolling total.

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

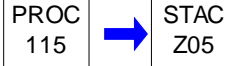
***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 115

Source Name: MISCELLANEOUS CHEMICAL USE

Source Capacity/Throughput:

**I. RESTRICTIONS.****Emission Restriction(s).**

001 [25 Pa. Code §129.91]

Control of major sources of NOx and VOCs

The permittee shall limit the emissions of VOC from Source 115 to 5 tons during any consecutive 12-month period.

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

IV. RECORDKEEPING REQUIREMENTS.

002 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

The permittee shall record the following information concerning these sources each month and maintain a rolling 12-month total:

VOC emissions

Note: The VOC emissions shall be calculated using emission factors approved by the Department.

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VI. WORK PRACTICE REQUIREMENTS.

003 [25 Pa. Code §129.63]

Degreasing operations

Cold cleaning machines. Except for those subject to the Federal National emissions standards for hazardous air pollutants (NESHAP) for halogenated solvent cleaners under 40 CFR Part 63 (relating to National emission standards for hazardous air pollutants for source categories), this subsection applies to cold cleaning machines that use 2 gallons or more of solvents containing greater than 5% VOC content by weight for the cleaning of metal parts.

a. Immersion cold cleaning machines shall have a freeboard ratio of 0.50 or greater.

SECTION D. Source Level Requirements

b. Immersion cold cleaning machines and remote reservoir cold cleaning machines shall:

1. Have a permanent, conspicuous label summarizing the operating requirements in paragraph (c). In addition, the label shall include the following discretionary good operating practices:

A. Cleaned parts should be drained at least 15 seconds or until dripping ceases, whichever is longer. Parts having cavities or blind holes shall be tipped or rotated while the part is draining. During the draining, tipping or rotating, the parts should be positioned so that solvent drains directly back to the cold cleaning machine.

B. When a pump-agitated solvent bath is used, the agitator should be operated to produce a rolling motion of the solvent with no observable splashing of the solvent against the tank walls or the parts being cleaned.

C. Work area fans should be located and positioned so that they do not blow across the opening of the degreaser unit.

2. Be equipped with a cover that shall be closed at all times except during cleaning of parts or the addition or removal of solvent. For remote reservoir cold cleaning machines which drain directly into the solvent storage reservoir, a perforated drain with a diameter of not more than 6 inches shall constitute an acceptable cover.

c. Cold cleaning machines shall be operated in accordance with the following procedures:

1. Waste solvent shall be collected and stored in closed containers. The closed containers may contain a device that allows pressure relief, but does not allow liquid solvent to drain from the container.

2. Flushing of parts using a flexible hose or other flushing device shall be performed only within the cold cleaning machine. The solvent spray shall be a solid fluid stream, not an atomized or shower spray.

3. Sponges, fabric, wood, leather, paper products and other absorbent materials may not be cleaned in the cold cleaning machine.

4. Air agitated solvent baths may not be used.

5. Spills during solvent transfer and use of the cold cleaning machine shall be cleaned up immediately.

d. After December 22, 2002, a person may not use, sell or offer for sale for use in a cold cleaning machine any solvent with a vapor pressure of 1.0 millimeter of mercury (mm Hg) or greater and containing greater than 5% VOC by weight, measured at 20°C (68°F) containing VOCs.

e. On and after December 22, 2002, a person who sells or offers for sale any solvent containing VOCs for use in a cold cleaning machine shall provide, to the purchaser, the following written information:

1. The name and address of the solvent supplier.

2. The type of solvent including the product or vendor identification number.

3. The vapor pressure of the solvent measured in mm hg at 20°C (68°F).

f. A person who operates a cold cleaning machine shall maintain for at least 2 years and shall provide to the Department, on request, the information specified in paragraph (e). An invoice, bill of sale, certificate that corresponds to a number of sales, Material Safety Data Sheet (MSDS), or other appropriate documentation acceptable to the Department may be used to comply with this section.

g. Paragraph (d) does not apply:

1. To cold cleaning machines used in extreme cleaning service.

SECTION D. Source Level Requirements

2. If the owner or operator of the cold cleaning machine demonstrates, and the Department approves in writing, that compliance with paragraph (d) will result in unsafe operating conditions.

3. To immersion cold cleaning machines with a freeboard ratio equal to or greater than 0.75.

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

***** Permit Shield in Effect. *****

**SECTION D. Source Level Requirements**

Source ID: C01

Source Name: THERMAL AFTERBURNER: FURNACE SYSTEM

Source Capacity/Throughput:	7,000.000 CF/HR	NATURAL GAS
	77.350 Gal/HR	PROPANE

I. RESTRICTIONS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

***** Permit Shield in Effect. *****

SECTION E. Source Group Restrictions.

Group Name: SG01 FURNACES

Group Description: Furnaces

Sources included in this group

ID	Name
101	BLAST FURNACE - BH #5
108	REVERBATORY FURNACE & TAPPING - BH #5

I. RESTRICTIONS.

Emission Restriction(s).

001 [25 Pa. Code §123.21]

General

No person may permit the emission into the outdoor atmosphere of sulfur oxides from a source in a manner that the concentration of the sulfur oxides, expressed as SO₂, in the effluent gas exceeds 500 parts per million, by volume, dry basis.

002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit is derived from 25 Pa Code Section 129.91]

The permittee shall limit the emissions from the furnaces to the following:

- Nitrogen Oxides (as NO₂) - 0.70 pounds per million BTU of heat input to the reverberatory furnace (30-day average),
- Sulfur Dioxide - 500 ppmv (dry) (one hour block average),
- Sulfur Dioxide - 267 ppmv (dry) (three hour block average),
- Sulfur Dioxide - 138 ppmv (dry) (24 hour block average),
- Sulfur Dioxide - 90 ppmv (dry)(12-month rolling average),
- Lead - 0.10 pounds per hour or 0.0004 grains per dry standard cubic foot (whichever is less) and
- Lead - 1.39 tons during any consecutive 12-month period.

003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this condition is derived from 25 Pa Code Section 129.91]

The permittee shall limit the consumption of natural gas and/or propane in the reverberatory furnace to 238.1 billion BTUs during any consecutive 12-month period.

004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is derived from 40 CFR Section 63.543 and 25 Pa Code Section 129.91]

The permittee shall limit the hydrocarbon emissions from the furnaces to the following:

- Total Hydrocarbons - 20 ppmv as propane at 4% carbon dioxide (both furnaces)

SECTION E. Source Group Restrictions.

- b. Total Hydrocarbons - 360 ppmv as propane at 4% carbon dioxide (blast furnace only)
- c. Total Hydrocarbons - 20 ppmv as propane at 4 % carbon dioxide (reverberatory furnace only) (This standard is for RACT purposes only.)

These total hydrocarbon limits act as surrogate limits for VOCs for the purpose of RACT.

005 [25 Pa. Code §129.91]

Control of major sources of NOx and VOCs

The permittee shall limit the emissions from the furnaces to the following during any consecutive 12-month period:

- a. Nitrogen Oxides (as NO₂) - 83.4 tons
- b. Volatile Organic Compounds (VOC) - 28.61 tons

006 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.122]

Subpart L - Standards of Performance for Secondary Lead Smelters Standard for particulate matter.

The permittee shall not cause the discharge to the atmosphere from the reverberatory furnace or the reverberatory and blast furnaces of any gases which:

- a. Contain particulate matter in excess of 0.022 grains per dry cubic foot
- b. Exhibit 20 percent opacity or greater

Control Device Efficiency Restriction(s).

007 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall operate the sulfur dioxide (SO₂) control system for the sources such that the removal efficiency is maintained at an hourly average of 92%.

008 [25 Pa. Code §129.91]

Control of major sources of NOx and VOCs

The reverberatory furnace shall be heated only by Low NO_x burners with air-oxy-fuel firing method or equivalent as approved by the Department.

009 [25 Pa. Code §129.91]

Control of major sources of NOx and VOCs

The permittee shall pass the exhaust of both furnaces through the afterburner.

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

SECTION E. Source Group Restrictions.**III. MONITORING REQUIREMENTS.****# 010 [25 Pa. Code §127.511]****Monitoring and related recordkeeping and reporting requirements.**

The permittee shall, on a daily basis, monitor and record the pH and water flow rate to the scrubber and the pressure drop across each of the demister cells.

IV. RECORDKEEPING REQUIREMENTS.**# 011 [25 Pa. Code §127.511]****Monitoring and related recordkeeping and reporting requirements.**

[Additional authority for this condition is derived from 25 Pa Code Section 129.91]

The permittee shall record the following information concerning these sources each month and maintain a 12-month rolling total:

- a. Hours of operation of each furnace
- b. Emissions of the following:
 - 1. Sulfur Dioxide
 - 2. Nitrogen Oxides (as NO₂)
 - 3. VOC
 - 4. Lead

Note: The emissions shall be calculated using emission factors approved by the Department or continuous emission monitors.

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VI. WORK PRACTICE REQUIREMENTS.**# 012 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall maintain and operate the following sensing and recording devices on the furnace controls:

- a. Sulfur Dioxide Scrubbers
 - 1. Scrubber water flow rate to each section (rotameter or equivalent).
 - 2. pH meter on the scrubber water to each section.

- b. Demisters

Pressure drop across each vessel.

013 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

[Additional authority for this permit condition is derived from 40 CFR Sections 52.2020 (c)(62) and 63.543.]

The permittee shall maintain the furnaces within the current buildings as of the date of the issuance of this permit. The furnaces shall be operated with the existing approved exhaust systems. All exhaust shall be directed to the approved control devices.

SECTION E. Source Group Restrictions.**# 014 [25 Pa. Code §127.511]****Monitoring and related recordkeeping and reporting requirements.**

The permittee shall annually inspect the scrubber for the following and record the results on the approved check sheets:

- a. General operating status of the scrubber,
- b. Inspection of the monitoring equipment,
- c. Inspection of the physical integrity of the scrubber,
- d. Inspection of the fan and duct work to the scrubber and
- e. Inspection of the collected material removal system.

VII. ADDITIONAL REQUIREMENTS.**# 015 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The reverberatory furnace is subject to Subpart L of the Standards of Performance for New Stationary Sources and shall comply with all applicable requirements of this Subpart. 40 CFR Section 60.4 requires submission of copies of all requests, reports, application, submittals and other communications required by 40 CFR Part 60 to both EPA and the Department. The EPA copies shall be forwarded to:

Director
Air Protection Division
U.S. EPA, Region III
1650 Arch Street
Philadelphia, Pa 19103-2039

016 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

The permittee shall provide and maintain equipment (a differential manometer or equivalent, as approved by the Department) so that the pressure drop across each cell of the fabric collector can be measured.

017 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.11]**Subpart A - General Provisions****Compliance with standards and maintenance requirements.**

The opacity standard set forth above shall apply at all times except during startup, shutdown, malfunction and as otherwise provided in 40 CFR Part 60.

*** Permit Shield in Effect. ***

SECTION E. Source Group Restrictions.

Group Name: SG02 LEAD MACT

Group Description: Lead MACT

Sources included in this group

ID	Name
101	BLAST FURNACE - BH #5
102	BLAST FURNACE VENTILATION SYSTEM-BH #3
103	MATERIAL STORAGE ROOM VENTILATION-BH#1
104	PLANT ROADWAYS
106	BATTERY BREAKER & SEPARATION OPERATION
107	SIX REFINING KETTLES - BH#4
108	REVERBATORY FURNACE & TAPPING - BH #5
109	REVERBATORY FURN VENTILATION GP#2- BH#5A
110	SCRAP DRYER - BH #6

I. RESTRICTIONS.**Emission Restriction(s).**

001 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6]

Subpart A--General Provisions**Compliance with standards and maintenance requirements.**

As specified in 40 CFR Sections 63.6(f)(1), the non-opacity emission standards set by 40 CFR Part 63, Subpart X, shall apply at all times except during periods of start-up, shutdown and malfunction. This exception is only valid if the permittee follows the "Start-up, Shutdown and Malfunction Plan" for the smelter.

Control Device Efficiency Restriction(s).

002 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.548]

Subpart X - National Emission Standards From Secondary Lead Smelting**Monitoring requirements.**

[Additional authority for this condition is derived from 25 PA Code 127.441 and 129.91]

To remain in compliance with the standards for hydrocarbons, the permittee must maintain an afterburner or combined exhaust temperature such that the average temperature in any 3-hour period does not fall more than 50°F below the average temperature established during the most recent total hydrocarbon testing of the furnaces. An average temperature in any 3-hour period that falls more than 50°F below the average established by the testing shall constitute a violation of the standards for hydrocarbons in Condition #004, Source Group SG01, Section E, Paragraphs a & b (MACT limits).

The current established temperature average is 1412°F, as conducted by the permittee during the compliance testing for the furnaces under MACT.

II. TESTING REQUIREMENTS.

003 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.543]

Subpart X - National Emission Standards From Secondary Lead Smelting**Standards for process sources**

The permittee shall perform compliance testing on the process sources (101 - Blast Furnace; 108 - Reverberatory Furnace) for lead compounds on an annual basis (no later than 12 months following the previous compliance test). If a compliance test demonstrates the sources emitted lead compounds at 0.00044 grains of lead per dry cubic foot or less during the compliance test, the permittee shall be allowed up to 24 calendar months from the previous compliance test to conduct the next annual compliance test for lead compounds.

SECTION E. Source Group Restrictions.

004 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.544] Subpart X - National Emission Standards From Secondary Lead Smelting Standards for process fugitive sources.

The permittee shall perform compliance testing at the discharge points of the air pollution control devices serving the process fugitive sources (102 - Blast Furnace Ventilation System #3; 107 - Refining Kettles; 109 - Reverberatory Furnace Ventilation Group #2; and 110 - Scrap Dryer) for lead compounds on an annual basis (no later than 12 months following the previous compliance test). If a compliance test demonstrates these sources emitted lead compounds at 0.00044 grains of lead per dry cubic foot or less during the compliance test, the permittee shall be allowed up to 24 calendar months from the previous compliance test to conduct the next annual compliance test for lead compounds.

005 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.547] Subpart X - National Emission Standards From Secondary Lead Smelting Test methods.

The permittee shall conduct all testing for lead, total hydrocarbons and face velocities in accordance with the Department and US EPA approved test methods as found in 40 CFR Part 63, Sections 63.7 and 63.547.

III. MONITORING REQUIREMENTS.

006 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.548] Subpart X - National Emission Standards From Secondary Lead Smelting Monitoring requirements.

The permittee shall daily read and record the pressure drop across each HEPA filter used as a secondary filter for the control of lead emissions. If the pressure drop across the HEPA filter is outside the limits specified by the filter manufacturer, the permittee must take appropriate corrective measures, which may include but not limited to the following:

- Inspect the filter and filter housing for air leaks and torn or broken filters.
- Replace defective filter media, or otherwise repair the control device.
- Sealing off a defective control device by routing air to other control devices.
- Shutting down the process producing the particulate emissions.

007 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.548] Subpart X - National Emission Standards From Secondary Lead Smelting Monitoring requirements.

The permittee shall maintain and operate a device to monitor and record the temperature of the afterburner or the combined blast furnace and reverberatory furnace exhaust streams consistent with the requirements of 40 CFR Part 63.

The recorder shall meeting the following performance and equipment specifications:

- The recorder response range must include zero and 1.5 times the average temperature identified in Condition #001, Source Group SG02, Section E of this permit.
- The monitoring system calibration drift shall not exceed 2 percent of the 1.5 times the average temperature identified in Condition #001, Source Group SG02, Section E.
- The monitoring system relative accuracy shall not exceed 20 percent.
- The reference method shall be a National Institute of Standards and Technology calibrated reference thermocouple-potentiometer system or an alternate reference, subject to the approval of EPA.

SECTION E. Source Group Restrictions.**# 008 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.548]****Subpart X - National Emission Standards From Secondary Lead Smelting
Monitoring requirements.**

The permittee shall maintain bag leak detection systems on the exhausts of fabric collectors controlling particulate from the process and/or process fugitive sources not equipped with a HEPA filter. The systems shall meet the following specifications and requirements:

- a. Detect particulate concentrations as low as 0.0044 grains per dry actual cubic foot.
- b. Provide relative particulate matter loadings.
- c. Equipped with an alarm system that will alarm when an increase in the relative particulate loading is detected over a preset level.
- d. Installation and operation in accordance with U.S. Environmental Protection Agency (EPA) guidance, or in the absence of EPA guidance, the manufacturer's written specifications and recommendations for installation, operation and adjustment of the system.
- e. The initial adjustment of the system shall, at a minimum, consist of establishing the baseline output by adjusting the sensitivity (range) and the averaging period of the device, and establishing the alarm set points and the alarm delay time.
- f. Following initial adjustment, the system 's sensitivity or range, averaging period, alarm set points or alarm delay time shall not be adjusted, except as detailed in the standard operating procedures manual.
- g. In no event shall the sensitivity be increased by more than 100 percent or decreased by more than 50 percent over a 365 day period unless such adjustments follow a complete fabric collector inspection, which demonstrates the fabric collector is in good operating condition.
- h. The leak detector must be located downstream of the fabric collector.
- i. Multiple leak detectors may share instrumentation and alarm.

009 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.548]**Subpart X - National Emission Standards From Secondary Lead Smelting
Monitoring requirements.**

The permittee shall maintain a corrective action plan for bag leak detection system alarms in their standard operating procedures manual . Within 30 minutes of the alarm an investigation shall be conducted to determine the cause of the alarm. The cause of the alarm must be alleviated by taking the necessary corrective action(s) which include, but are not limited to the following:

- a. Inspection of the fabric collector for leaks, torn or broken bags or any other malfunction.
- b. Seal off defective bags.
- c. Replace defective bags.
- d. Isolate defective fabric collector cell.
- e. Inspect, clean and/or repair bag leak detection system.
- f. Shutdown the process, if correction will take longer than 30 minutes.

SECTION E. Source Group Restrictions.**# 010 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.548]
Subpart X - National Emission Standards From Secondary Lead Smelting
Monitoring requirements.**

The permittee shall conduct the following inspections on the fabric collectors controlling the lead emissions from the sources of this group as set forth by the permittee's standard operating procedures manual:

- a. Monitor the pressure drop across each fabric collector and HEPA filter cell daily.
- b. Visually inspect, or otherwise as approved by the Department, that dust is being removed from hoppers and any conveying system once per week.
- c. Daily check of compressed air supply for pulse-jet fabric collectors.
- d. Weekly monitor the cleaning cycles by visual observation or otherwise approved by the Department.
- e. Monthly check the fabric collector cleaning mechanism for proper functioning through a visual inspection.
- f. Monthly check of the bag tension on shaker fabric collectors.
- g. Quarterly visual inspections, or otherwise approved by the Department, of the physical integrity of the fabric collector's interior for leaks.
- h. Quarterly visual inspections of the fans for wear, material build-up and corrosion.
- i. Daily check of the operating condition of the bag leak detection system on those fabric collectors so equipped.

IV. RECORDKEEPING REQUIREMENTS.**# 011 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.545]
Subpart X - National Emission Standards From Secondary Lead Smelting
Standards for fugitive dust sources**

The permittee shall maintain daily records, as per the standard operating procedures manual, of all wet suppression, pavement cleaning and vehicle washing activities performed to control fugitive dust emissions pursuant to 40 CFR Section 63.545.

**# 012 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.550]
Subpart X - National Emission Standards From Secondary Lead Smelting
Recordkeeping and reporting requirements.**

The permittee shall record and maintain for a period of five years the following items:

- a. A record of all bag leak detection alarms (date and time), the results of the inspection and any corrective measures taken.
- b. A record of the output from the continuous temperature monitor, an identification of periods when the 3-hour average temperature fell below the minimum established temperature and an explanation of the corrective actions taken.
- c. Any records required by the practices described in the standard operating procedures manual for fabric collectors.
- d. Any records required by the standard operating procedures manual for the control of fugitive dust emissions.
- e. The initial and subsequent compliance tests for lead compounds and total hydrocarbons.
- f. The occurrence and duration of each start-up, shut-down and malfunction of the sources.

SECTION E. Source Group Restrictions.

- g. The occurrence and duration of each malfunction of the air pollution control equipment.
- h. All maintenance performed on the air pollution control equipment.
- i. Actions taken during periods of start-up, shut-down and malfunctions when such actions are different from the procedures during normal start-up, shut-down and malfunctions.
- j. All required measurements needed to show compliance with any applicable standard.
- k. Maintenance, calibration or other procedures required by the rule for any monitoring systems used to demonstrate compliance.
- l. All other record keeping requirements specified in 40 CFR Part 63, Section 63.10 of the General Provisions.

V. REPORTING REQUIREMENTS.

013 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.550] Subpart X - National Emission Standards From Secondary Lead Smelting Recordkeeping and reporting requirements.

The permittee shall submit semiannual reports to the Department containing the following information for these sources:

- a. A statement that during each start-up, shut-down and malfunction the sources and air pollution control equipment were operated in accordance with the MACT startup, shutdown and malfunction plan.
- b. The occurrence, duration of each malfunction of any control devices and CEMs and the response taken.
- c. An identification of the date and time of all bag leak detection system alarms, their cause, and an explanation of the corrective actions taken.
- d. A summary of the records maintained as part of the practices described in the standard operating procedures manual for fabric collectors, including an explanation of the periods when the procedures were not followed and the corrective actions taken.
- e. A summary of the fugitive dust control measures performed during the required reporting period, including explanation of the periods when the procedures outlined in the standard operating procedures manual were not followed and the corrective actions taken.
- f. A summary of any stack test results that were performed during the year.
- g. A record of the temperature monitor output, in 3-hour block averages, for those periods when the temperature monitored fell below the minimum level.

Note: The reports shall not contain copies of the daily records required to demonstrate compliance with the requirements of the standard operating procedures manual. This report may be submitted annually with approval from the Department.

VI. WORK PRACTICE REQUIREMENTS.

014 [25 Pa. Code §127.441] Operating permit terms and conditions.

[Additional authority for this condition is derived from 40 CFR Sections 52.2020 (c)(62) and 63.545]

The permittee shall:

- a. Impose and strictly enforce on all smelter roadways a speed limit of 10 miles per hour on all vehicle traffic, post speed limit signs, train all employees on the proper operation of mobile equipment during regular mobile equipment training

SECTION E. Source Group Restrictions.

sessions, and enforce disciplinary procedures.

- b. The wheel and undercarriages of all smelter vehicles shall be washed before leaving the material storage building.
- c. All smelter roads subject to vehicle traffic shall be paved and cleaned with a brush type sweeper or equivalent at least twice per day, except on days when natural precipitation makes cleaning unnecessary or when sand or a similar material has been spread on the plant roadways to provide traction on ice or snow.
- d. Dust suppressant shall be routinely applied to all smelter road shoulders and unpaved smelter yard areas on a weekly basis.
- e. The discharge of the sanitary (blast furnace) baghouse shall be maintained as a vertical vent that does not exceed "good engineering practice" stack height.
- f. All materials from the battery breaking shall be transferred to the ventilated material storage building by conveyors or chutes.
- g. The permittee shall ventilate the battery breaking process equipment through a scrubber or equivalent Department approved air pollution control equipment.

015 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.544]**Subpart X - National Emission Standards From Secondary Lead Smelting
Standards for process fugitive sources.**

Each process fugitive emission source shall be equipped with an enclosure hood meeting the following requirements or be located within a total enclosure subject to general ventilation that maintains the building at a lower than ambient pressure to ensure in-draft through any doorway openings:

- a. All process fugitive enclosure hoods except those specified for the refining kettles and dryer transition pieces shall be ventilated to maintain a face velocity of at least 300 feet per minute at all hood openings.
- b. All process fugitive enclosure hoods on the refining kettles shall be ventilated to maintain a face velocity of at least 250 feet per minute at all hood openings.
- c. The ventilation air from the enclosures shall be conveyed to a particulate control device.

016 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.544]**Subpart X - National Emission Standards From Secondary Lead Smelting
Standards for process fugitive sources.**

The process fugitive emissions from the dryer transition pieces shall be controlled by operating pressurized dryer breaching seals at each transition piece.

017 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.545]**Subpart X - National Emission Standards From Secondary Lead Smelting
Standards for fugitive dust sources**

The permittee shall maintain and at all times operate according to a standard operating procedures manual that describes in detail the measures that will be put in place to control fugitive dust emission sources 103 (Material Storage Room Ventilation), 104 (Plant Roadways) and 106 (Battery Breaker & Separation Operation). This manual has been approved by the Department. Any changes to the manual shall be submitted to the Department.

018 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.545]**Subpart X - National Emission Standards From Secondary Lead Smelting
Standards for fugitive dust sources**

SECTION E. Source Group Restrictions.

The permittee shall maintain a vehicle wash at each exit to the material storage and handling area building through which vehicles can pass.

019 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.548]

Subpart X - National Emission Standards From Secondary Lead Smelting Monitoring requirements.

[Additional authority for this condition is derived from 25 Pa Code Section 127.441]

The permittee shall operate the sources at all times according to the Department approved standard operating procedures manual for fabric collectors operated at the facility to control emissions from these sources. The procedures are incorporated within this permit. Any changes to the manual shall be submitted to the Department for approval before implementation.

The standard operating procedures manual shall include the following:

- Procedures for routine inspections and maintenance for the fabric collectors.
- Preventative maintenance schedule that is, at a minimum, consistent with the manufacturer's instructions for routine and long-term maintenance.
- Procedures for corrective action in the case of a bag leak detection system alarm.

020 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.549]

Subpart X - National Emission Standards From Secondary Lead Smelting Notification requirements.

[Additional authority for this condition is derived from 40 CFR Section 63.6 (e)(3)]

The permittee shall develop and maintain a "Start-up, Shut-down and Malfunction Plan" for the smelter. The permittee shall operate all sources in accordance with the Plan. An up to date copy of the Plan shall be maintained at the site and be made available to the Department for inspection.

VII. ADDITIONAL REQUIREMENTS.

021 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.541]

Subpart X - National Emission Standards From Secondary Lead Smelting Applicability

All of the above sources are subject to the requirements of 40 CFR Part 63, Subpart X, National Emission Standards for Hazardous Air Pollutants from Secondary Lead Smelting. The permittee shall operate the sources in accordance with the requirements of this subpart and the General Provisions in Subpart A as identified in Subpart X, Table 1.

022 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.549]

Subpart X - National Emission Standards From Secondary Lead Smelting Notification requirements.

The permittee shall submit all reports, requests, applications, submittals and other communications required or related to 40 CFR Part 63, Subpart X to both the Department and EPA. The EPA copies shall be forwarded to:

Director
Air Protection Division
U.S. EPA, Region III
1650 Arch Street



SECTION E. Source Group Restrictions.

Philadelphia, Pa 19103-2039

*** Permit Shield in Effect. ***

SECTION E. Source Group Restrictions.

Group Name: SG03 CEMS

Group Description: CEMS

Sources included in this group

ID	Name
101	BLAST FURNACE - BH #5
108	REVERBATORY FURNACE & TAPPING - BH #5

I. RESTRICTIONS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

III. MONITORING REQUIREMENTS.**# 001 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The following continuous emission monitoring system (CEMS) must be installed, approved by the Department, operated and maintained in accordance with the requirements of 25 Pa. Code Chapter 139, Subchapter C (relating to requirements for source monitoring for stationary sources), and the Submittal and Approval, Record Keeping and Reporting, and Quality Assurance requirements of Revision No. 8 of the Department's Continuous Source Monitoring Manual, 274-0300-001.

1. SO₂ CEMS

- a. Source Combination to be Monitored: Sources 101 and 108
- b. Parameter to be Reported: SO₂
- c. Units of Measurement to be Reported: ppm
- d. Moisture Basis of Measurement to be Reported: Dry
- e. Correction basis of Measurements to be Reported: None
- f. Data Substitution Required: No
- g. SO₂ Emission Standards (See Condition 002 in SG01)

Compliance with any subsequently issued revisions to the Continuous Source Monitoring Manual will constitute compliance with the regulations.

IV. RECORDKEEPING REQUIREMENTS.**# 002 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition is derived from 25 Pa. Code Sections 139.101(5) and 139.101(12)]

The permittee shall comply with the recordkeeping requirements established in 25 Pa. Code Chapter 139, Subchapter C (relating to requirements for source monitoring for stationary sources), (and) the Record Keeping and Reporting requirements in Revision No. 8 of the Department's Continuous Source Monitoring Manual, 274-0300-001.

Records shall be retained for at least 5 years and shall be made available to the Department upon request.

Compliance with any subsequently issued revision to the Continuous Source Monitoring Manual will constitute compliance with this permit condition.

V. REPORTING REQUIREMENTS.**# 003 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition is derived from 25 Pa. Code Sections 139.101(1)(iv), 139.101(10) and 139.101(12)]

SECTION E. Source Group Restrictions.

The permittee shall submit quarterly reports of continuous emission monitoring to the Department in accordance with the requirements established in 25 Pa. Code Chapter 139, Subchapter C (relating to requirements for source monitoring for stationary sources), and the Record Keeping and Reporting requirements as established in Revision No. 8 of the Department's Continuous Source Monitoring Manual, 274-0300-001, and

The permittee shall report emissions for all periods of unit operation, including startup, shutdown and malfunction.

Initial quarterly reports following system certification shall be submitted to the Department within 35 days following the date upon which the Department notifies the owner or operator, in writing, of the approval of the continuous source monitoring system for use in determining compliance with applicable emission standards.

Subsequent quarterly reports shall be submitted to the Department within 30 days after the end of each calendar quarter.

Failure to submit required reports of continuous emission monitoring within the time periods specified in this Condition, shall constitute violations of this Permit, unless approved in advance by the Department in writing.

Compliance with any subsequently issued revision to the Continuous Source Monitoring Manual will constitute compliance with this permit condition.

VI. WORK PRACTICE REQUIREMENTS.**# 004 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition is derived from 25 Pa. Code Section 139.101(12)]

Continuous emission monitoring shall meet the following minimum data availability requirements for the 1-hour, 3-hour and 24-hour SO₂ standards:

a.) In accordance with 25 Pa. Code Section 139.101(12), required monitoring shall, at a minimum, meet one of the following data availability requirements unless otherwise stipulated in this permit, a plan approval, Title 25 or an order issued under Section 4 of the Air Pollution Control Act:

1.) In each calendar month, at least 90% of the time periods for which each emission standard applies, shall be valid as set forth in the Quality Assurance section of Revision No.8 of the Department's Continuous Source Monitoring Manual, 274-0300-001, or

2.) In each calendar quarter, at least 95% of the hours shall be valid as set forth in the Quality Assurance section of Revision No. 8 of the Department's Continuous Source Monitoring Manual, 274-0300-001.

Compliance with any subsequently issued revisions to the Continuous Source Monitoring Manual will constitute compliance with the regulations.

005 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

[Additional authority for this permit condition is derived from 25 Pa. Code Sections 139.101(1)(iv), 139.101(2), 139.101(3), 139.101(4), 139.101(6), 139.101(7), 139.101(8), 139.101(12), 139.101(14) and 139.101(15)]

Continuous Emission Monitoring Systems and components must be operated and maintained in accordance with the requirements established in 25 Pa. Code Chapter 139, Subchapter C (relating to requirements for source monitoring for stationary sources) and the Quality Assurance requirements in Revision No 8 of the Department's Continuous Source Monitoring Manual, 274-0300-001.

Compliance with any subsequently issued revision to the Continuous Source Monitoring Manual will constitute compliance with this permit condition.

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).



SECTION E. Source Group Restrictions.

***** Permit Shield in Effect. *****

SECTION E. Source Group Restrictions.

Group Name: SG04 CAM

Group Description: CAM

Sources included in this group

ID	Name
101	BLAST FURNACE - BH #5
102	BLAST FURNACE VENTILATION SYSTEM-BH #3
103	MATERIAL STORAGE ROOM VENTILATION-BH#1
106	BATTERY BREAKER & SEPARATION OPERATION
107	SIX REFINING KETTLES - BH#4
108	REVERBATORY FURNACE & TAPPING - BH #5
109	REVERBATORY FURN VENTILATION GP#2- BH#5A
110	SCRAP DRYER - BH #6

I. RESTRICTIONS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

III. MONITORING REQUIREMENTS.

001 [40 CFR Part 64 Compliance Assurance Monitoring for Major Stationary Sources §40 CFR 64.3]

Sections of PART 64

Monitoring design criteria

[Additional authority for this Compliance Assurance Monitoring (CAM) permit condition is also derived from 40 CFR Part 64, Sections 64.1-64.10]

#AAA

(a) The permittee shall use the following process parameters to obtain data and monitor the equipment performance:

- (1) Source 101/108, Smelter Furnace Scrubber: SO₂ scrubber emissions as measured by the SO₂ CEMS.
- (2) Source 101/108, Smelter Furnace Baghouse: Bag leak detection system
- (3) Source 101/108, Smelter Furnace Mist Eliminator: Visible emissions
- (4) Source 106 Scrubber: (i) pH of the scrubbing liquid, (ii) Water flow to the scrubber, (iii) Pressure differential across the scrubber
- (5) Sources 101/108, 102, 103, 107, 109 and 110 Baghouses: Pressure differential across the baghouse.

(b) The permittee shall operate and maintain the following monitoring equipment to measure the process parameters described in (a), above:

- (1) Source 101/108, Smelter Furnace Scrubber: SO₂ CEMS
- (2) Source 101/108, Smelter Furnace Baghouse: Bag leak detection system
- (3) Source 101/108, Smelter Furnace Mist Eliminator: Method 9-certified staff
- (4) Source 106 Scrubber: (i) Scrubber pH monitor, (ii) Scrubber water flow monitor, (iii) Magnahelic gauge to measure the pressure differential across the scrubber.
- (5) Sources 101/108, 102, 103, 107, 109 and 110: Magnahelic gauges to measure the pressure differential across each baghouse.

(c) The permittee shall monitor the process parameters described in (a), above, as follows:

- (1) Source 101/108, Smelter Furnace Scrubber: continuously with SO₂ CEMS while the source is operating
- (2) Source 101/108, Smelter Furnace Baghouse: continuously with bag leak detection system while the source is operating
- (3) Source 101/108, Smelter Furnace Mist Eliminator: The permittee shall observe the opacity of the scrubber exhaust once

SECTION E. Source Group Restrictions.

per day while the source and scrubber are operating.

(4) Source 106 Scrubber: Once per day for each parameter

(5) Sources 101/108, 102, 103, 107, 109 and 110: Once per day for each baghouse

(d) The permittee shall average the monitoring values collected pursuant to (c), above, as follows for the purposes of determining excursions:

(1) Source 101/108, Smelter Furnace Scrubber: as indicated in the SO₂ standards listed in Condition 002 of SG01.

(2) Source 101/108, Smelter Furnace Baghouse: no averaging; each bag leak detection alarm would be an excursion.

(3) Source 101/108, Smelter Furnace Mist Eliminator: a determination of an excursion (or not) for visible emissions shall be made on a daily basis, as follows: If any readings are 20% or greater, then both of the following shall be done: (i) Comparison of readings with the 25 Pa. Code 123.41 standards, and (ii) Ensure that at least six consecutive minutes of observation are made, so that opacity can be determined as an average of 24 consecutive observations recorded at 15-second intervals. Divide the observations recorded on the record sheet into sets of 24 consecutive observations. A set is composed of any 24 consecutive observations. Sets need not be consecutive in time and in no case shall two sets overlap. For each set of 24 observations, calculate the average by summing the opacity of the 24 observations and dividing this sum by 24.

(4) Source 106 Scrubber: weekly average of daily readings for each parameter

(5) Sources 101/108, 102, 103, 107, 109 and 110: weekly average of daily readings for each baghouse.

#BBB

(a) The permittee shall maintain records of the following information:

(1) All monitor readings, alarms, averages and excursions required by Condition #AAA above, as well as daily evaluations of whether or not the opacity exiting the scrubber is less than 20%.

(2) all excursions and corrective actions taken in response to an excursion and the time elapsed until the corrective actions have been taken.

(3) all inspections, repairs and maintenance performed on the process parameter monitoring equipment.

(4) all monitoring equipment down time incidents (other than down time associated with accuracy checks or calibration checks). The permittee shall also record the dates, times and durations, possible causes and corrective actions taken for the incidents.

(5) Method 9 certification information for all Method 9 certified staff.

(6) The number of hours of operation of each source during each six-month reporting period.

(b) The permittee shall keep all records for a period of five (5) years and make the records available to the Department upon request.

#CCC

(a) The permittee shall report all excursions and corrective actions taken, the dates, times, durations and possible causes, every six (6) months.

(b) The permittee shall report all monitoring equipment down time incidents (other than down time associated with accuracy checks or calibration checks), their dates, times and durations, possible causes and corrective actions taken, every six (6) months.

#DDD

(a) The permittee shall use the following parameter ranges to determine excursions:

(1) Source 101/108, Smelter Furnace Baghouse: Acceptable baghouse pressure differential is between 0.1 inch of water and 8.0 inches of water.

(2) Source 106 Scrubber: Acceptable scrubber pH is >6.0.

(3) Source 106 Scrubber: Acceptable scrubber water flow rate is > 480 gpm.

(4) Source 106 Scrubber: Acceptable scrubber pressure differential is between 1.0 inch of water and 5.0 inches of water.

(5) Source 102: Baghouse C03: Acceptable baghouse pressure differential is between 0.1 inch of water and 8.0 inches of

SECTION E. Source Group Restrictions.

water.

(6) Source 103: Baghouse C04: Acceptable baghouse pressure differential is between 0.1 inch of water and 8.0 inches of water.

(7) Source 107: Baghouse C11: Acceptable baghouse pressure differential is between 0.1 inch of water and 8.0 inches of water.

(8) Source 109: Baghouse C02A: Acceptable baghouse pressure differential is between 0.1 inch of water and 8.0 inches of water.

(9) Source 110: Baghouse C10: Acceptable baghouse pressure differential is between 0.1 inch of water and 9.0 inches of water.

(b) The following shall be defined as an excursion:

(1) Source 101/108, Smelter Furnace Scrubber:

(i) A violation of the SO₂ emission standards listed on Condition 002 of SG01.

(ii) Failure to maintain SO₂ CEMS data for at least 90% of the time periods in each calendar month for which each emission standard applies.

(iii) Failure to maintain SO₂ CEMS data for at least 95% of the hours in each calendar quarter for which each emission standard applies.

(2) Sources 101/108, Smelter Furnace Baghouse: Each baghouse leak detector alarm shall be defined as an excursion. Baghouse leak detector downtime >5% of the source operating time in a reporting period shall also be defined as an excursion.

(3) Sources 101/108, Smelter Furnace Mist Eliminator: Any observation incident in which any 24-reading average opacity exiting the scrubber is determined to be 20% or greater, shall be defined as an excursion. Any violation of 25 Code Section 123.41 shall also be defined as an excursion. Failure to perform a daily visible emissions observations for greater than 5% of the required readings in a reporting period shall also be defined as an excursion.

(5) A departure from the parameter ranges specified in (a), above, based on the average of the daily parameter values, on a weekly basis, shall be defined as an excursion. Failure to perform a daily monitoring/record keeping of any process parameter for greater than 5% of the required readings in a reporting period shall also be defined as an excursion.

(c) The permittee shall check all process parameter monitoring equipment a minimum of once per year to ensure measurement accuracy. Monitoring equipment that is not operating with a measurement accuracy that meets manufacturer's specifications shall be replaced with new calibrated monitoring equipment. Results of the annual monitoring equipment measurement accuracy checks shall be retained on site for a minimum of five (5) years and made available to the Department upon request.

(d) The permittee shall maintain spare monitoring equipment and related parts on site for routine repairs/replacement.

(e) The permittee shall maintain an ample supply of spare (replacement) bags for the baghouse(s) covered by this source group.

#EEE

(a) The permittee shall develop and implement a quality improvement plan (QIP) as expeditiously as practicable if any of the following occurs:

(1) Six excursions of any given emission standard, alarm or parameter range occur in a six-month reporting period.

(2) Any excursions of any given data availability standard occur in a six-month reporting period.

(3) The Department determines after review of all reported information that the permittee has not responded acceptably to an excursion.

(b) The QIP should be developed within 60 days of the end of the relevant six-month reporting period, and the permittee

SECTION E. Source Group Restrictions.

shall provide a copy of the QIP to the Department. Furthermore, the permittee shall notify the Department if the period for completing the improvements contained in the QIP exceeds 180 days from the date on which the need to implement the QIP was determined.

(c) The permittee shall record actions taken to implement the QIP during a reporting period and all related actions including, but not limited to inspections, repairs and maintenance performed on the monitoring equipment.

(d) The QIP shall include procedures for evaluating any control device performance problems on such devices associated with the QIP. Based on the results of the evaluation procedures, the permittee shall modify the QIP, and provide a copy to the Department, to include procedures for conducting more frequent or improved monitoring in conjunction with one or more of the following:

- (1) Improved preventive maintenance practices.
- (2) Process operation changes.
- (3) Appropriate improvements to control methods.
- (4) Other steps appropriate to correct performance.

(e) Following implementation of a QIP, the Department will require reasonable revisions to the QIP if the plan has failed to either:

- (1) Address the cause of the control device performance problem.
- (2) Provide adequate procedures for correcting control device performance problems as expeditiously as practicable in accordance with good air pollution control practices for minimizing emissions.

(f) Implementation of a QIP shall not excuse the owner or operator of a source from compliance with any existing emission limitation or standard or any existing monitoring, testing, reporting or recordkeeping requirement that may apply under any federal, state, or local laws or any other applicable requirements under the Clean Air Act.

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

***** Permit Shield in Effect. *****

SECTION E. Source Group Restrictions.

Group Name: SG05 SUBPART ZZZZ

Group Description: SUBPART ZZZZ

Sources included in this group

ID	Name
113	EMERGENCY GENERATORS

I. RESTRICTIONS.

Emission Restriction(s).

001 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6595]

Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines

When do I have to comply with this subpart?

- 1.) If you have an existing stationary CI RICE with a site rating of less than or equal to 500 brake HP located at a major source of HAP emissions, you must comply with the applicable emission limitations and operating limitations in this Source Group by no later than May 3, 2013
- 2.) If you have an existing stationary SI RICE with a site rating of less than or equal to 500 brake HP located at a major source of HAP emissions, you must comply with the applicable emission limitations and operating limitations in this Source Group by no later than October 19, 2013.

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

IV. RECORDKEEPING REQUIREMENTS.

002 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6655]

Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines

What records must I keep?

- (e) The permittee shall keep records of the maintenance conducted on the stationary reciprocating internal combustion engines (RICE) operated at the secondary lead smelter facility in order to demonstrate that the stationary RICE were operated and maintained according to the maintenance plan.
- (f) The permittee shall keep records of the hours of operation of each engine, recorded through its non-resettable hour meter. The owner or operator must document how many hours are spent for emergency operation, including what classified the operation as emergency and how many hours are spent for non-emergency operation.

003 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6660]

Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines

In what form and how long must I keep my records?

- (a) Records kept pursuant to this Source Group must be in a form suitable and readily available for expeditious review.
- (b) - (c) The permittee shall keep each record pursuant to this Source Group readily accessible in hard copy or electronic form for at least 5 years after the date of each occurrence, measurement, maintenance, corrective action, report, or record.

SECTION E. Source Group Restrictions.

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VI. WORK PRACTICE REQUIREMENTS.

004 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6602]

Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines

What emission limitations must I meet if I own or operate an existing stationary RICE with a site rating of equal to or less than 500 brake HP located at a major source of HAP emissions?

The permittee shall perform the following operational and maintenance requirements on each of the stationary reciprocating internal combustion engines (RICE) operated at the secondary lead smelter facility as specified by 40 CFR §63.6602 and Table 2c

- Change oil and filter every 500 hours of operation or annually, whichever comes first,
- Inspect air cleaner every 1,000 hours of operation or annually, whichever comes first,
- Inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary.
- Minimize the engine's time spent at idle and minimize the engine's startup time at startup to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes, after which time the non-startup emission limitations apply.

005 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6625]

Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines

What are my monitoring, installation, operation, and maintenance requirements?

(e) and Table 6: The permittee shall operate and maintain the stationary reciprocating internal combustion engines (RICE) at the secondary lead smelter facility according to the manufacturer's emission-related operation and maintenance instructions; or the permittee shall develop and follow a maintenance plan. The maintenance plan must provide for the maintenance and operation of the engine in a manner consistent with good air pollution control practice for minimizing emissions.

006 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6625]

Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines

What are my monitoring, installation, operation, and maintenance requirements?

(i) If you own or operate a stationary CI engine that is subject to the work, operation or management practices in items 1 or 2 of Table 2c to this subpart or in items 1 or 4 of Table 2d to this subpart [TABLE 2C 1 APPLIES], you have the option of utilizing an oil analysis program in order to extend the specified oil change requirement in Tables 2c and 2d to this subpart. The oil analysis must be performed at the same frequency specified for changing the oil in Table 2c or 2d to this subpart. The analysis program must at a minimum analyze the following three parameters: Total Base Number, viscosity, and percent water content. The condemning limits for these parameters are as follows: Total Base Number is less than 30 percent of the Total Base Number of the oil when new; viscosity of the oil has changed by more than 20 percent from the viscosity of the oil when new; or percent water content (by volume) is greater than 0.5. If all of these condemning limits are not exceeded, the engine owner or operator is not required to change the oil. If any of the limits are exceeded, the engine owner or operator must change the oil within 2 days of receiving the results of the analysis; if the engine is not in operation when the results of the analysis are received, the engine owner or operator must change the oil within 2 days or before commencing operation, whichever is later. The owner or operator must keep records of the parameters that are analyzed as part of the program, the results of the analysis, and the oil changes for the engine. The analysis program must be part of the maintenance plan for the engine.

(j) If you own or operate a stationary SI engine that is subject to the work, operation or management practices in items 6, 7, or 8 of Table 2c to this subpart or in items 5, 6, 7, 9, or 11 of Table 2d to this subpart [TABLE 2C 6 APPLIES], you have the option of utilizing an oil analysis program in order to extend the specified oil change requirement in Tables 2c and 2d to this subpart. The oil analysis must be performed at the same frequency specified for changing the oil in Table 2c or 2d to this subpart. The analysis program must at a minimum analyze the following three parameters: Total Acid Number, viscosity, and percent water content. The condemning limits for these parameters are as follows: Total Acid Number increases by more than 3.0 milligrams of potassium hydroxide (KOH) per gram from Total Acid Number of the oil when new; viscosity of the oil has changed by more than 20 percent from the viscosity of the oil when new; or percent water content (by volume) is

SECTION E. Source Group Restrictions.

greater than 0.5. If all of these condemning limits are not exceeded, the engine owner or operator is not required to change the oil. If any of the limits are exceeded, the engine owner or operator must change the oil within 2 days of receiving the results of the analysis; if the engine is not in operation when the results of the analysis are received, the engine owner or operator must change the oil within 2 days or before commencing operation, whichever is later. The owner or operator must keep records of the parameters that are analyzed as part of the program, the results of the analysis, and the oil changes for the engine. The analysis program must be part of the maintenance plan for the engine.

007 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6625]

Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines

What are my monitoring, installation, operation, and maintenance requirements?

(f) If you own or operate an existing emergency stationary RICE with a site rating of less than or equal to 500 brake HP located at a major source of HAP emissions you must install a non-resettable hour meter if one is not already installed.

008 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6640]

Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines

How do I demonstrate continuous compliance with the emission limitations and operating limitations?

(f) The permittee shall not operate the stationary reciprocating internal combustion engines (RICE) at the secondary lead smelter facility in such a way that exceeds the following operating hour limits for each engine:

- 50 hours per year for non-emergency operation.
- 100 hours per year for maintenance and readiness test runs, provided that the tests are recommended by Federal, State or local government, the manufacturer, the vendor, or the insurance company associated with the engine.

The permittee may operate the stationary reciprocating internal combustion engines (RICE) operated at the secondary lead smelter facility for up to 50 hours per year in nonemergency situations, but those 50 hours are counted towards the 100 hours per year provided for maintenance and testing. The 50 hours per year for non-emergency situations cannot be used for peak shaving or to generate income for the facility.

VII. ADDITIONAL REQUIREMENTS.

009 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6665]

Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines

What parts of the General Provisions apply to me?

If you own or operate a new or reconstructed stationary RICE with a site rating of less than or equal to 500 brake HP located at a major source of HAP emissions, you do not need to comply with any of the requirements of the General Provisions specified in Table 8 of Subpart ZZZZ.

*** Permit Shield in Effect. ***



SECTION F. Alternative Operation Requirements.

No Alternative Operations exist for this Title V facility.



SECTION G. Emission Restriction Summary.

No emission restrictions listed in this section of the permit.

SECTION H. Miscellaneous.

#001

This operating permit modifies Title V Operating Permit No. 06-05040 issued on 8/22/11, with an effective date of 9/1/11. This permit modification supersedes that permit. The following lists the modifications to the permit:

Section E, Source Group SG04, Item #001, Subpart #DDD was:

- (1) Source 101/108, Smelter Furnace Baghouse: Acceptable baghouse pressure differential is between 0.5 inch of water and 12.0 inches of water.
- (2) Source 106 Scrubber: Acceptable scrubber pH is >6.0.
- (3) Source 106 Scrubber: Acceptable scrubber water flow rate is > 480 gpm.
- (4) Source 106 Scrubber: Acceptable scrubber pressure differential is between 1.0 inch of water and 5.0 inches of water.
- (5) Source 102: Baghouse C03: Acceptable baghouse pressure differential is between 0.5 inch of water and 8.0 inches of water.
- (6) Source 103: Baghouse C04: Acceptable baghouse pressure differential is between 0.5 inch of water and 8.0 inches of water.
- (7) Source 107: Baghouse C11: Acceptable baghouse pressure differential is between 0.2 inch of water and 8.0 inches of water.
- (8) Source 109: Baghouse C02A: Acceptable baghouse pressure differential is between 0.5 inch of water and 6.0 inches of water.
- (9) Source 110: Baghouse C10: Acceptable baghouse pressure differential is between 0.5 inch of water and 8.0 inches of water.

Section E, Source Group SG04, Item #001, Subpart #DDD now is:

- (1) Source 101/108, Smelter Furnace Baghouse: Acceptable baghouse pressure differential is between 0.1 inch of water and 8.0 inches of water.
- (2) Source 106 Scrubber: Acceptable scrubber pH is >6.0.
- (3) Source 106 Scrubber: Acceptable scrubber water flow rate is > 480 gpm.
- (4) Source 106 Scrubber: Acceptable scrubber pressure differential is between 1.0 inch of water and 5.0 inches of water.
- (5) Source 102: Baghouse C03: Acceptable baghouse pressure differential is between 0.1 inch of water and 8.0 inches of water.
- (6) Source 103: Baghouse C04: Acceptable baghouse pressure differential is between 0.1 inch of water and 8.0 inches of water.
- (7) Source 107: Baghouse C11: Acceptable baghouse pressure differential is between 0.1 inch of water and 8.0 inches of water.
- (8) Source 109: Baghouse C02A: Acceptable baghouse pressure differential is between 0.1 inch of water and 8.0 inches of water.
- (9) Source 110: Baghouse C10: Acceptable baghouse pressure differential is between 0.1 inch of water and 9.0 inches of water.

#002

The capacity/throughputs for the sources at the smelter are based on the following:

Blast Furnace - The daily maximum production rate of the furnace (150 tons per day) converted to an hourly rate of 6.25 tons.

Reverberatory Furnace - The daily maximum production rate of the furnace (310 tons per day) converted to an hourly rate of 12.9 tons.

Blast Furnace Ventilation System - The blast furnace production rate.

Battery Breaker & Separation Operation - The hourly rate is based on the daily throughput of the operation.

Six Refining Kettles - The 19.2 ton per hour rate is a daily average.

Reverberatory Furnace Ventilation System - The reverberatory furnace production rate.

#003

All of the capacity/throughput values are for information purposes only and are not operating limits.

#004

The Battery Breaker & Separation Operation includes two sources vented to the same control device:

- a. Automotive Battery Breaker & Separation Operation
- b. Industrial Battery Separation Operation

#005

The following sources include the following sub-sources:

SECTION H. Miscellaneous.

Source 102 Blast Furnace Ventilation System-Grp #3 - BH#3

- a. Ventilation point at top of blast furnace (charging area)
- b. Blast furnace slag tap
- c. Canopy hood, pump repair
- d. Blast furnace lead well
- e. Ingot ventilation (rotary table)

Source 108 Reverberatory Furnace & Tapping - BH#5

- a. Reverberatory furnace slag tap
- b. Reverberatory furnace lead well
- c. Reverberatory furnace charging hood
- d. Reverberatory furnace

Source 109 Reverberatory Furnace Ventilation Group #2 - BH#5A

- a. Three holding kettles
- b. Reverberatory furnace lead runners
- c. Reverberatory furnace slag mold cooling

Source 112 Miscellaneous Combustion Sources

- a. Burners used to heat the refining kettles (107)
- b. Burners used to heat the holding kettles (109)
- c. All other miscellaneous combustion (space heaters, ect.)

Source 115 Miscellaneous Chemical Use

- a. Solvent usage
- b. Degreasers and parts cleaners

#006

The following sources have been found to be of minor significance:

- a. Plastic Recycling Operation (114)
- b. Acid Reclaim Operation
- c. Pallet Shredder

#007

The following sources have been found to be minor for emissions of volatile organic compounds:

- a. Scrap Dryer (110)
- b. Miscellaneous Combustion Sources (112)

#008

The source 112 "Miscellaneous Combustion Sources" includes the following items:

- a. Combustion Units:
 - 1. Six (6) Refining Kettles (burners)
 - 2. One (1) Tubeless Vertical Steam Boiler (Fulton)
 - 3. Two (2) Gas Water Heaters (Vantage)(Battery Breaker Locker Room)
 - 4. Two (2) Heater Systems (Vantage II Co-Ray-Vac)(Scrubber Building)

SECTION H. Miscellaneous.

5. Two (2) Co-Ray-Vac Heater Systems (Rogers Gordon)(Lead Storage, Battery Breaker Docks)

b. Processes:

1. Four (4) Torches (Casting Area)
2. One (1) Torch (Blast Furnace Area)
3. Three (3) Portable Torches
4. Two (2) Kerosene Heaters
5. One (1) Aspirating Burner on Casting Machine
6. One (1) Commercial Comfort Heating Unit (Acid Reclaim Building)
7. One (1) Control Air Systems Heating Unit (Battery Breaker Building)
8. One (1) Gas Furnace Heating Unit (York)(New Locker Room)
9. One (1) Gas Furnace Heating Unit (York) (New Lunch Room)
10. Two (2) HVAC Package Units (York)(Lunchroom & Supervisor's Office)

#009

The following is a listing of sources subject to 40 CFR Part 63, Subpart X, National Emission Standards for Secondary Lead Smelting, and how this regulation defines them:

a. Process Sources:

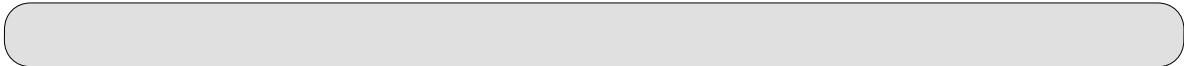
1. 101 Blast Furnace - BH #5
2. 108 Reverberatory Furnace - BH #5

b. Process Fugitive Sources:

1. 102 Blast Furnace Ventilation System - BH #3
2. 107 Refining Kettles - BH #4
3. 109 Reverberatory Furnace Ventilation System - BH #5
4. 110 Scrap Dryer - BH #6

c. Fugitive Sources:

1. 103 Material Storage Room Ventilation - BH#1
2. 104 Plant Roadways
3. 106 Battery Breaker & Separation Operation



***** End of Report *****